

**MRC reagents catalogue for monoclonal antibodies**  
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Category	Reference Number	Name	Clone	Specificity	Reactivity	IsoType	Host	Application	Publication	ECACC number
Monoclonal Antibody	A857/0036	anti-human factor B-I H (155kD) monoclonal antibody	OX23	human serum complement protein factor H (155kD)	Human; Other primates	IgG1	Mouse	WB, IP, ELISA, Radioimmunoassay	Sim et al (1983) Bioscience Rpts. 3:1119	00010402
Monoclonal Antibody	A857/0037	anti-human factor B-I H monoclonal antibody	OX24	Factor H	Human	IgG1	Mouse	WB, IP, ELISA, FC	Sim et al (1983) Bioscience Rpts. 3:1119	00010403
Monoclonal Antibody	A857/0048	anti-CD134 ligand (Ox40 ligand) monoclonal antibody	OX89	recognises OX40 ligand expression restricted to professional antigen presenting cells including activated B cells and dendritic cells.	Mouse	IgG1	Rat	FC	Malmstrom V, et al (2001) J Immunol 166:6972-6981	03062501
Monoclonal Antibody	A857/0049	anti-CD200 (OX2) monoclonal antibody	OX90	recognises CD200 cell surface antigen (OX2.CD200), expressed by splenic B lymphocytes, follicular dendritic cells, splenic endothelium and by neurons.	Mouse	IgG2a	Rat	ELISA, FC, IHC (frozen sec)	Hoek, RM et al (2000) Science 290:1768-71	03062502
Monoclonal Antibody	A857/0053	anti-CD47 monoclonal antibody	OX101	CD47 (on lymphocytes and macrophages and brain endothelial cells)	Rat	IgG1	Mouse	WB, IP, FC	Vemon-Wilson et al (2000) Eur J Immunol 30(8):2130-7	03062503
Monoclonal Antibody	A857/0054	anti-CD200 ligand monoclonal antibody	OX102	CD200 ligand, 60-100kD cell surface molecule expressed by cells of myeloid lineage (not T or B lymphocytes). Antibody can block CD200 interaction with CD200R.	Rat	IgG1	Mouse	FC, IHC (frozen sec)	Wright et al (2000) Immunity 13(2):233-42	3062504
Monoclonal Antibody	A857/0040	anti-CD48 monoclonal antibody	OX46	OX46 glycoprotein on all haematopoietic cells including erythrocytes and endothelial cells.	Rat	IgG2a	Mouse	FC, IHC	Arvieux et al (1986) Immunology 58:337	13082205
Monoclonal Antibody	A857/0072	anti-CD86 monoclonal antibody	OX48	CD86 (B7-2) a transmembrane protein identified as a ligand for CD28 and CD152. Expressed on antigen presenting cells.	Rat	IgG1	Mouse	FC	Patterson et al (1987) Mol.Immunology 24:1281	13082207
Monoclonal Antibody	A857/0091	anti-RT1Bac (MHC Class II polymorphic) monoclonal antibody	OX76	RT1Bac (MHC Class II polymorphic)	Rat	IgG2a	Mouse	FC	Unpublished but see Ohshiro et al., 2001 J Surg Res 101(1):29-36	13082209
Monoclonal Antibody	A857/0046	anti-CD53 monoclonal antibody	OX80	CD53 cell surface antigen, a tetraspan family member, expressed by all leucocytes, absent from red cells and platelets.	Mouse	IgM	Rat	FC	Thomlinson et al (1995) Eur J Immunol 25:2201-5	13082211
Monoclonal Antibody	A857/0083	anti-Myeloid lineage monoclonal antibody	OX82	reacts with 35kDa molecule on myeloid cells and stromal elements from a variety of tissues in adult rat.	Rat	IgG1	Mouse	WB, FC		13082213
Monoclonal Antibody	A857/0177	anti-SIRP gamma monoclonal antibody	OX118	SIRP gamma (CD172g) & SIRP alpha (CD172a)	Human	IgG1	Mouse	FC	Brooke et al (2004) J Immunol.173:2562-70	13082235
Monoclonal Antibody	A857/0016	anti-CD43 monoclonal antibody	W3/13	recognises the CD43 glycoprotein, a monomorphic determinant on rat thymocytes, T lymphocytes, plasma cells, polymorphs stem cells and brain.	Rat	IgG1	Mouse	FC, IHC (frozen sec, paraffin)	Williams et al (1977) Cell 12:663-673	84112001
Monoclonal Antibody	A857/0025	anti-CD4 monoclonal antibody	W3/25	CD4 cell surface glycoprotein, expressed by helper T cells, Thymocytes, and macrophages.	Rat	IgG1	Mouse	FC, IHC (frozen sec, paraffin)	Williams et al (1977) Cell 12:663-673	84112002
Monoclonal Antibody	A857/0017	anti- HLA A, B, C monoclonal antibody	W6/32 HL	Directed against human leucocytes and recognises an antigenic determinant on the 43kDa polypeptide chains of HLA-A, B and C.	Human; Rhesus macaque; Bovine; Feline; Cynomolgus monkey; Baboon	IgG2a	Mouse	IP, FC, IHC (frozen sec)	Barnstable et al (1978) Cell 14: 9-20	84112003
Monoclonal Antibody	A857/0052	anti-CD45 monoclonal antibody	OX1	CD45 (Leukocyte Common Antigen)	Rat	IgG1	Mouse	FC, IHC (frozen sec)	Woollet et al (1985) Eur. J. Immunology 15:168	84112004
Monoclonal Antibody	A857/0056	anti-CD200 monoclonal antibody	OX2	Rat thymocyte, brain, B cells, dendritic cells	Rat	IgG1	Mouse	FC, IHC (frozen sec)	McMaster et al (1979) Eur.J.Immunology 9:426	84112005

Monoclonal Antibody	A857/0088	anti-1a antigen (RT1Bu) monoclonal antibody	OX3	RT1Bu (MHC Class II polymorphic). Recognises 1a antigen (RT1.Bu) on B-cells, dendritic cells and certain epithelial cells.	Rat; Mouse	IgG1	Mouse	FC, IHC (frozen sec)	McMaster et al (1979) Eur.J.Immunology 9:426	84112006
Monoclonal Antibody	A857/0090	anti-1a antigen (RT1b) monoclonal antibody	OX6	Recognises Ia (MHC Class II), monomorphic determinant. Expressed in B lymphocytes, dendritic cells, some macrophages and certain epithelial cells.	Rat; Mouse MHC haplotypes k and s	IgG1	Mouse	WB, FC, IHC (frozen sec, paraffin)	McMaster et al (1979) Eur.J.Immunology 9:426	84112007
Monoclonal Antibody	A857/0081	anti-CD90 (Thy-1.1) monoclonal antibody	OX7	Recognises Thy-1.1 (CD90) antigenic determinant (monomorphic determinant in rat strains but polymorphic in mice). Expressed on thymocytes, neuronal cells, T-lymphocytes (mouse), stem cells and immature B cells (rat) and connective tissue.	Rat; Mouse	IgG1	Mouse	WB, FC, IHC (frozen sec)	Mason et al (1980) Biochem.J. 187:1	84112008
Monoclonal Antibody	A857/0082	anti-CD8 alpha chain monoclonal antibody	OX8	recognises rat CD8 cell surface antigen, expressed by a subset of T lymphocytes, most thymocytes and most NK cells.	Rat	IgG1	Mouse	FC, IHC (frozen sec, paraffin)	Johnson et al (1985) EMBO J 4:2539-45	84112009
Monoclonal Antibody	A857/0086	anti-RT1A (class I monomorphic) monoclonal antibody	OX18	RT1A (class I monomorphic)	Rat	IgG1	Mouse	IP, FC, IHC (frozen sec)	Fukumoto et al (1982) Eur.J.Immunology 12:237	84112011
Monoclonal Antibody	A857/0055	anti-CD5 monoclonal antibody	OX19	CD5 cell surface antigen expressed by T cells, thymocytes and a subset of B cells.	Rat	IgG1	Mouse	FC, IHC (frozen sec, paraffin emb.)	Dallman et al (1982) Eur.J.Immunology 12:511	84112012
Monoclonal Antibody	A857/0057	anti-CD45RC monoclonal antibody	OX22	CD45RC	Rat	IgG1	Mouse	FC, IHC (frozen sec, paraffin, IF)	Spickett et al (1983) J.Exp.Med. 158:795	84112013
Monoclonal Antibody	A857/0058	anti-CD71 monoclonal antibody	OX26	CD71 (Transferrin receptor) on proliferating cells, brain endothelium and neuronal cells	Rat	IgG2a	Mouse	WB, FC	Jefferies et al (1984) Nature 312:162	84112014
Monoclonal Antibody	A857/0087	anti-MHC Class I (polymorphic) monoclonal antibody	OX27	RT1D class II (determinant on chain of MHC class II antigen).	Rat	IgG2a	Mouse	FC, IHC (frozen sec)	Jefferies et al (1985) J.Exp.Med. 162:117	84112015
Monoclonal Antibody	A857/0015	anti-IgD monoclonal antibody	H6/31HL	Recognises 'IgD-like molecules in mice with IgB haplotype.	Rat; Mouse	IgM	Mouse	FC, IHC (frozen sec)	Pearson et al (1977) Eur.J.Immunology 7:684-690	85102214
Monoclonal Antibody	A857/0010	anti-CD1a monoclonal antibody	NA1/34	CD1a, cell surface glycoprotein expressed in association with beta2 microglobulin on cortical thymocytes, Langerhans cells, interdigitating cells	Human	IgG2a	Mouse	FC, IHC (frozen sec)	Bradstock et al (1980) J. Natl. Cancer Inst. 65: 33.42	85102243
Monoclonal Antibody	A857/0009	anti-CD1a monoclonal antibody	YOL1/34	recognises specifically the alpha subunit of tubulin	Yeast; Birds; Mammals	IgG2a	Rat	WB, ELISA, IHC (frozen sec), radioimmunoassay	Gene 1991;104:147	85102247
Monoclonal Antibody	A857/0060	anti-CD45 (LCA) monoclonal antibody	OX30	recognises a monomorphic determinant of rat leukocyte common antigen (CD45) - 170kDa membrane glycoprotein on thymocytes, 170-220kDa on many other leukocytes. Not on mature erythrocytes.	Rat	IgG2a	Mouse	WB, FC, IHC (frozen sec, paraffin)	Woollet et al (1985) Eur.J.Immunology 15:168	86100901
Monoclonal Antibody	A857/0061	anti-CD45RA monoclonal antibody	OX33	CD45RA (B-cells only). Detects a sub fraction of the 240kDa rat Leucocyte Common Antigen (LCA) found only on B Cells.	Rat	IgG1	Mouse	FC, IHC (frozen sec, paraffin emb.)	Woollet et al (1985) Eur.J.Immunology 15:168	86100902
Monoclonal Antibody	A857/0062	anti-CD2 (LFA-2) monoclonal antibody	OX34	CD2 cell surface antigen, 50-54kD glycoprotein expressed by thymocytes and mature T cells.	Rat	IgG2a	Mouse	FC, IHC (frozen sec, paraffin emb.)	Jefferies et al (1985) J.Exp.Med. 162:117	86100903
Monoclonal Antibody	A857/0065	anti-CD25 (IL-2R alpha) monoclonal antibody	OX39	CD25 cell surface antigen, a 55kD glycoprotein which acts as a low affinity receptor for Interleukin-2. Expressed on T lymphocytes.	Rat	IgG1	Mouse	FC	Patterson et al (1987) Mol.Immunology 24:1281	86100905
Monoclonal Antibody	A857/0066	anti-CD134 monoclonal antibody	OX40	recognises an antigen (CD134 - related to NGF), on activated T lymphocytes that also express CD4.	Rat	IgG2b	Mouse	FC, IHC (frozen sec)	Patterson et al (1987) Mol.Immunology 24:1281	86100906
Monoclonal Antibody	A857/0070	anti-CD48 (Blast) monoclonal antibody	OX45	CD48 (Blast): 45kD glycoprotein expressed on all haematopoietic and endothelial cells.	Rat	IgG1	Mouse	FC	Arvieux et al (1986) Immunology 58:337	86100910
Monoclonal Antibody	A857/0068	anti-CD11b monoclonal antibody	OX42	CD11b	Rat	IgG2a	Mouse	IP, FC, IHC (frozen sec, paraffin)	Robinson et al (1986) Immunology 57:239	87081803
Monoclonal Antibody	A857/0039	anti-OX43 (endothelium) monoclonal antibody	OX43	OX43 (endothelium)	Rat	IgG1	Mouse	IP, FC, IHC (frozen sec)	Robinson et al (1986) Immunology 57:231	87081804
Monoclonal Antibody	A857/0075	anti-CD6 monoclonal antibody	OX52	CD6 cell surface structure with two chains 95kD and 120kD expressed by T lymphocytes and thymocytes in rat.	Rat	IgG2a	Mouse	FC, IHC (frozen sec)	Robinson et al (1986) Immunology 57:527	87081805

Monoclonal Antibody	A857/0064	anti-CD4 (domain 1) monoclonal antibody	OX38	recognises rat CD4 cell surface antigen, 55kD glycoprotein expressed by T helper cells monocytes and macrophages.	Rat	IgG2a	Mouse	FC, IHC (frozen sec)	Jefferies et al (1985) J.Exp.Med. 162:117	88051303
Monoclonal Antibody	A857/0067	anti-CD172a monoclonal antibody	OX41	CD172a (Signal regulatory protein, SIRP) expressed on myeloid cells and neurons.	Rat	IgG2a	Mouse	WB, FC, IHC (frozen sec, paraffin)	Robinson et al (1986) Immunology 57:239	88051304
Monoclonal Antibody	A857/0041	anti-Kappa light chain monoclonal antibody	OX20	kappa light chain.	Mouse	IgG1	Rat	FC	Mason et al (1981) Immunology 44:75	
Monoclonal Antibody	A857/0059	anti-CD45 monoclonal antibody	OX29	CD45 a major membrane glycoprotein 180kD on thymocytes and other leucocytes.	Rat	IgG2a	Mouse	FC	Woollet et al (1985) Eur. J.Immunology 15:168	88070802
Monoclonal Antibody	A857/0076	anti-CD2 (LFA-2) monoclonal antibody	OX54	CD2 cell surface antigen, expressed by thymocytes and peripheral T cells.	Rat	IgG1	Mouse	FC, IHC (frozen sec)	Jefferies et al (1985) J.Exp.Med. 162:117	88070803
Monoclonal Antibody	A857/0077	anti-CD2 monoclonal antibody	OX55	CD2 expressed on thymocytes and peripheral T cells, unidentified cells in the red pulp and marginal zone of spleen.	Rat	IgG1	Mouse	FC, IHC (frozen sec)	Jefferies et al (1985) J.Exp.Med. 162:117	88070804
Monoclonal Antibody	A857/0063	anti-CD4 (domain 2) monoclonal antibody	OX35	recognises the CD4 cell surface antigen, a 55kD glycoprotein expressed by helper T cells and weakly by monocytes.	Rat	IgG2a	Mouse	FC, IHC (frozen sec)	Jefferies et al (1985) J.Exp. Med. 162:117	89041184
Monoclonal Antibody	A857/0071	anti-CD147 monoclonal antibody	OX47	recognises membrane glycoprotein CD147 on activated lymphocytes, lower on resting cells. Present on some epithelia.	Rat	IgG1	Mouse	FC, IHC (frozen sec)	Patterson et al (1987) Mol.Immunology 24:1281	90071611
Monoclonal Antibody	A857/0033	anti-human MHC class II alpha chain monoclonal antibody	DA6.147	directed against the alpha chain of human MHC Class II antigens.	Human	IgG1	Mouse	WB	Eur J Immunol (1982) 12:942	90110605
Monoclonal Antibody	A857/0073	anti-CD44 (H-CAM) monoclonal antibody	OX49	recognises CD44, expressed by most lymphocytes, macrophages and polymorphs.	Rat	IgG2a	Mouse	FC	Patterson et al (1987) Mol.Immunology 24:1281	91062501
Monoclonal Antibody	A857/0074	anti-CD44 (H-CAM) monoclonal antibody	OX50	recognises CD44 cell surface antigen, expressed by T cells, B cells, macrophages and thymocytes.	Rat	IgG1	Mouse	FC, IHC (frozen sec)	Patterson et al (1987) Mol.Immunology 24:1281	91062502
Monoclonal Antibody	A857/0078	anti-CD26 monoclonal antibody	OX61	recognises rat liver dipeptidyl peptidase IV. Reacts with liver bile canalicular domains and brush borders of bile ducts. Also other epithelial borders, T lymphocytes and some B lymphocytes.	Rat	IgG2a	Mouse	FC, IHC (frozen sec)	McCaughan et al (1990) Hepatology 11:534	91100409
Monoclonal Antibody	A857/0008	anti-alpha tubulin monoclonal antibody	YL1/2	recognises the alpha subunit of tubulin, specifically the Tyr-Tubulin produced by post translational modification of tubulin	Yeast; Birds; Mammals	IgG2a	Rat	WB, ELISA, IHC (frozen sec), radioimmunoassay	Febs Letters (1991) 283:298	92092402
Monoclonal Antibody	A857/0069	anti-CD53 monoclonal antibody	OX44	recognises CD53 cell surface antigen, 43kD glycoprotein, member of transmembrane 4 superfamily. Expressed on all myeloid and peripheral lymphoid cells, small subset of thymocytes.	Rat	IgG1	Mouse	IP, FC, IHC (frozen sec, paraffin)	Bellacosa et al (1991) Mol.&Cell Biol. 11:2864	92102355
Monoclonal Antibody	A857/0147	anti-IgD monoclonal antibody	OX60	IgD	Rat	IgG1	Mouse	FC, IHC (frozen sec)	Al-Shamkhani,A et al (1996) Eur J Immunol 26:1695-9	92102357
Monoclonal Antibody	A857/0044	anti-CD48 (BCM1) monoclonal antibody	OX78	recognises CD48 (labels thymocytes, B and T cells and macrophages)	Mouse	IgG2a	Rat	FC	Kato et al (1992) J Exp Med 176:1241-9	92102358
Monoclonal Antibody	A857/0080	anti-CD4 (domains 3 & 4) monoclonal antibody	OX68	recognises CD4 (domains 3 & 4)	Rat	IgG2a	Mouse	FC	Barclay A N (1989) MRC Cellular Immunology Unit, Oxford	94011007
Monoclonal Antibody	A857/0084	anti-CD62L (L-selectin, LECAM-1) monoclonal antibody	OX85	recognises L-selectin (CD62L), expressed by subset thymocytes, predominantly single positive CD4 or CD8 cells.	Rat	IgG1	Mouse	FC	Nicholson et al (1998) J Biol Chem 273(2):763-70	95111405
Monoclonal Antibody	A857/0014	Mouse-human chimeric anti-NP (4-hydroxy-3 nitrophenacetyl) monoclonal antibody	JW8/1	recognises the hapten NP (4-hydroxy-3 nitrophenacetyl)	Human	IgE	Mouse	ELISA	J Exp Med 1987;166:135	
Monoclonal Antibody	A857/0180	anti-myosin (MYH2) monoclonal antibody	A4.1519	Myosin heavy chain fast IIA and some cross-reactivity to IIB.	Rat;Mouse;Human	IgM	Mouse	WB, IHC (frozen sec), ICC	Hughes and Blau 92 Cell	
Monoclonal Antibody	A857/0107	anti-Calgranulin A monoclonal antibody	CF145	recognises Calgranulin A (Ig binding protein of S100 family) found in granulocytes and subset of stratified squamous epithelia (tongue, oesophagus and buccal cells).	Human;	IgG2b	Mouse	ELISA, FC, IHC (paraffin)	van Heyningen et al (1985) Nature 315: 513-515	
Monoclonal Antibody	A857/0099	anti-myosin (MYH1/2) monoclonal antibody	A4.1025	recognises the ATP binding loop of myosin heavy chain skeletal and cardiac muscle.	Mammals; Birds; Amphibia; Fish	IgG2a	Mouse	WB, IHC (frozen sec), ICC	Hughes and Blau (1992) Cell 68:659-671	

Monoclonal Antibody	A857/0255	anti-human Polycystin-1 monoclonal antibody	7e12	Polycystin-1	Human	IgG-1k	Mouse	IF, Western blot, ImmunoEM, ELISA	Ong et al (1999) Kidney Int. Oct;56(4):1324-33
Monoclonal Antibody	A857/0110	anti-PAX6 monoclonal antibody	AD2.35	PAX-6	Rat;Mouse;Human;Chicken	IgG2a	Mouse	WB, IHC (frozen sec)	Engelkamp et al Development (1999) 126: 3585-3596
Monoclonal Antibody	A857/0019	anti-HDEL monoclonal antibody	2E7'	recognises the C-terminal peptide HDEL, a common version of the Endoplasmic Reticulum retention signal found in yeast, plant, nematode and other ER proteins.	Yeast, Drosophila; Nematode pl.	IgG2b	Mouse	WB, IF	Napier et al J Cell Sci. (1992) 102:261-71
Monoclonal Antibody	A857/0094	anti-Myosin (MYH7) monoclonal antibody	A4.840	recognises the C-terminal part (rod) of beta slow myosin heavy chain in ventricle and slow skeletal muscle throughout development.	Mouse;Human;Chicken;Rabbit	IgM	Mouse	WB, IHC (frozen sec), ICC	Hughes et al (1993) Dev Biol 158:183-199
Monoclonal Antibody	A857/0096	anti-Myosin (MYH3) monoclonal antibody	F1.652	recognises the embryonic myosin heavy chain C-terminal region (light meromyosin (LMM) fragment).	Rat;Mouse;Human;Rabbit	IgG1	Mouse	WB, IHC (frozen sec), ICC	Hughes et al (1993) Dev Biol 158:183-199
Monoclonal Antibody	A857/0020	anti-CD11b (Mac1 alpha chain) monoclonal antibody	M1/70(.15)	recognises the 170kDa alpha M subunit Mac-1 (CD11b/ CD18 alphaMbeta2 integrin)	Mouse;Human	IgG2b	Rat	FC, IHC (frozen sec)	Springer et al (1978) Eur. J Immunology 8:539-551
Monoclonal Antibody	A857/0006	anti-substance P monoclonal antibody	NC1/34HL	reacts with intact and c-terminal fragments of Substance P, a bioactive peptide secreted from neurons in gut and CNS	Human	IgG	Rat	IHC (paraffin)	Cuello et al (1980) Brain Res. Bull 5: 575-587
Monoclonal Antibody	A857/0137	anti-myosin heavy chain monoclonal antibody	N3.36	myosin heavy chain	Rat;Mouse;Human;Chicken;Rabbit	IgM	Mouse	WB, IHC	Hughes et al (1993) Dev Biol 158:183-199
Monoclonal Antibody	A857/0112	anti-PAX6 monoclonal antibody	AD1.5	PAX-6	Rat;Mouse;Human;Chicken; Zebrafish	IgG1	Mouse	WB, IHC (frozen sec)	Engelkamp et al Development 1999 126: 3585-3596
Monoclonal Antibody	A857/0136	anti-neonatal myosin monoclonal antibody	N1.551	neonatal myosin	Rat;Mouse;Human;Chicken;Rabbit	IgM	Mouse	WB, IHC	Hughes et al (1993) Dev Biol 158:183-199
Monoclonal Antibody	A857/0111	anti-PAX6 monoclonal antibody	AD2.38	PAX-6	Rat;Mouse;Human;Chicken	IgG1	Mouse	WB, IHC (paraffin)	Engelkamp et al Development (1999) 126: 3585-3596
Monoclonal Antibody	A857/0108	anti-Calgranulin B monoclonal antibody	CF-557	Recognises Calgranulin B in granulocytes and subset of stratified squamous epithelia (tongue, oesophagus and buccal cells. Slight reactivity with Calgranulin A. (Ig binding protein of S100 family).	Human	IgG1	Mouse	ELISA, FC, IHC	van Heyningen et al (1985) Nature 315: 513-515
Monoclonal Antibody	A857/0109	anti-PAX6 monoclonal antibody	AD2.3	PAX-6	Rat;Mouse;Human;Chicken; Zebrafish	IgG2a	Mouse	WB, IHC (frozen sec)	Engelkamp et al Development (1999) 126: 3585-3596
Monoclonal Antibody	A857/0093	anti-Myosin (MYH2) monoclonal antibody	A4.74	recognises the skeletal myosin heavy chain type IIA.	Rat;Mouse;Human;Rabbit;Mouse;	IgG1	Mouse	WB, IHC (frozen sec), ICC	Hughes et al (1993) Dev Biol 158:183-199
Monoclonal Antibody	A857/0095	anti-Myosin (MYH7) monoclonal antibody	A4.951	recognises the N-terminal part (S1) of beta slow myosin heavy chain in adult skeletal muscle.	Mouse;Human;Rabbit;Fish	IgG1	Mouse	WB, IHC (frozen sec), ICC	Hughes et al (1993) Dev Biol 158:183-199
Monoclonal Antibody	A857/0097	anti-Myosin (MYH2) monoclonal antibody	N2.261	recognises the N-terminal part (S1) of beta slow myosin heavy chain in adult skeletal myosin heavy chain type IIA.	Mouse;Human;Rabbit;Fish	IgG1	Mouse	WB, IHC (frozen sec), ICC	Hughes et al (1993) Dev Biol 158:183-199
Monoclonal Antibody	A857/0027	anti- HLA-DR (phycoerythrin) monoclonal antibody	YE2/36 HLK	HLA-DR/ mouse H-2 I-A	Human; cross reacts with the H-2, I-A region of the mouse	IgG2a	Rat	FC, IHC (frozen sec, paraffin)	Brickell et al (1981) Immunology 43: 493-5
Monoclonal Antibody	A857/0026	anti-HLA-DR (Class II) monoclonal antibody	YD1/63	recognises the HLA-DR (Human Ia, MHC Class II) antigen expressed by B lymphocytes, activated T cells and by monocytes.	Human	IgG2	Rat	FC, IHC (frozen sec, paraffin)	
Monoclonal Antibody	A857/0028	anti-sheep erythrocyte monoclonal antibody	Sp2/0	binds to sheep erythrocytes and forms a high number of rosettes with mouse neutrophils and eosinophils.	Sheep	IgG2b	Mouse	FC	Kohler et al (1976) Eur.J.Immunology 6:511-519
Monoclonal Antibody	A857/0022	anti-IgG (Fd portion of CH1 domain) monoclonal antibody	YA2/40	Reacts with the Fd region of the CH1 domain of mouse IgG.	Mouse	IgG	Rat	FC, IHC	Galfre et al (1979) Nature 277: 131-133
Monoclonal Antibody	A857/0029	anti-sheep erythrocyte monoclonal antibody	Sp3/HL	binds sheep red blood cells.	Sheep	IgG1	Mouse	FC	Kohler et al (1976) Eur J.Immunology 6:511-519

Monoclonal Antibody	A857/0024	anti-CD24 monoclonal antibody	M1/69	recognises the CD24 (Heat Stable Antigen), variably glycosylated GPI-anchored membrane protein found on erythrocytes, granulocytes, monocytes, lymphocytes and neurons.	Mouse	IgG	Rat	FC, IHC (formalin f)	Springer et al (1978) Eur. J Immunology 8:539-551	
Monoclonal antibody	A857/0043	anti-CD200 (OX2) monoclonal antibody	OX104	CD200 cell surface antigen expressed by subset of lymphocytes, some endothelial cells and neurons	Human	IgG1	Mouse	FC		03062505
Monoclonal Antibody	A857/0144	anti-Erythrocytes monoclonal antibody	OX83	erythrocytes, bone marrow	Rat	IgG1	Mouse	FC		13082214
Monoclonal Antibody	A857/0050	anti-CD22 monoclonal antibody	OX96	mouse CD22 (domain 1) expressed on subpopulation of mature B-lymphocytes.	Mouse	IgG1	Rat	FC		13082216
Monoclonal Antibody	A857/0051	anti-CD22 monoclonal antibody	OX97	recognises domain 2 of cell surface glycoprotein CD22, a member of the sialoadhesin family. Expressed on subpopulation of mature B-lymphocytes	Mouse	IgG1	Rat	FC		13082218
Monoclonal Antibody	A857/0142	anti-CD147 monoclonal antibody	OX114	recognises mouse CD147 (OX47) in activated T cells and many other cell types	Mouse	IgG1	Rat	ELISA, FC, IHC (frozen sec)	Hanna SM et al (2003) BMC Biochem 4(1):17	13082227
Monoclonal Antibody	A857/0175	anti-SIRP gamma monoclonal antibody	OX116	SIRP gamma (CD172g) with some cross reactivity on SIRP alpha (CD172a)	Human	IgG1	Mouse	FC	Brooke G, Holbrook JD, Brown MH, Barclay AN. Human lymphocytes interact directly with CD47 through a novel member of the signal regulatory protein (SIRP) family. J Immunol. 2004;173:2562-70.	13082231
Monoclonal Antibody	A857/0176	anti-SIRP gamma monoclonal antibody	OX117	mouse anti-SIRP gamma but cross reacts with SIRPalpha and SIRPbeta	Human	IgG1	Mouse	FC	Brooke G, Holbrook JD, Brown MH, Barclay AN. Human lymphocytes interact directly with CD47 through a novel member of the signal regulatory protein (SIRP) family. J Immunol. 2004;173:2562-70.	13082233
Monoclonal Antibody	A857/0178	anti-SIRP gamma (blocking) monoclonal antibody	OX119	SIRP gamma (CD172g)	Human	IgG1	Mouse	FC	Brooke G, Holbrook JD, Brown MH, Barclay AN. Human lymphocytes interact directly with CD47 through a novel member of the signal regulatory protein (SIRP) family. J Immunol. 2004;173:2562-70.	13082237
Monoclonal Antibody	A857/0042	anti-Kappa chain monoclonal antibody	OX12	mouse anti-rat kappa chain (preference for a allotype)	Rat	IgG2a	Mouse	FC, IHC (frozen sec)	Hunt S V et al (1981) Cell & Tissue Kinetics 14:445-464	88051301
Monoclonal Antibody	A857/0035	anti-human factor I (C3b inactivator) monoclonal antibody	OX21	reactive with human Factor I	Human	IgG1	Mouse	ELISA, IHC (frozen sec), IP, WB	Biochem J 1982;203:293	91060417
Monoclonal Antibody	A857/0079	anti-alpha E2 integrin (dendritic cells) monoclonal antibody	OX62	rat alpha E2 integrin. Recognises antigen expressed by some rat dendritic cells (veiled cells) and by gamma delta T cells	Rat	IgG1	Mouse	FC, IHC (frozen sec)		91061805
Monoclonal Antibody	A857/0038	anti-IL-4 monoclonal antibody	OX81	Binds to IL-4 and blocks activity	Rat	IgG1	Mouse	FC, IHC (frozen sec, paraffin, resin)		95040518
Monoclonal Antibody	A857/0047	anti-CD134 (OX40) monoclonal antibody	OX86	recognises murine OX40 (CD134) cell surface antigen expressed only by activated T lymphocytes	Mouse	IgG1	Rat	FC, IHC (frozen sec)		96110601
Monoclonal Antibody	A857/0126	anti-CD1d monoclonal antibody	NOR3.2	CD1d, 49kD heavy chain associated with Beta 2 microglobulin on cortical thymocytes	Human	IgG1	Mouse	IP, IHC (frozen sec, paraffin)		
Monoclonal Antibody	A857/0115	anti-CD8 alpha monoclonal antibody	KT15	CD8a. Recognises mouse Ly2.1 and Ly2.2 cells, reacts with CD8 alpha chain (non polymorphic). Weakly cytotoxic.	Mouse	IgG2a	Mouse	FC, IHC (frozen sec)		
Monoclonal Antibody	A857/0100	anti-CD3 Epsilon (T3) monoclonal antibody	KT3	CD3 Epsilon (T3)	Mouse	IgG2a	Rat	FC, IHC (frozen sec)		

Monoclonal Antibody	A857/0116	anti-CD4 monoclonal antibody	KT174	recognises the murine CD4 cell surface antigen, expressed by T helper cells	Mouse	IgG2c	Rat	FC		
Monoclonal Antibody	A857/0119	anti-TCR V beta 11 monoclonal antibody	KT11	TCR V beta 11	Mouse	IgG2b	Rat	FC		
Monoclonal antibody	A857/0007	anti-serotonin (5HT) monoclonal antibody	YC5/45	recognises Serotonin containing cell bodies and terminals in the CNS and PNS	Rat; Mouse; Human; Guinea Pig; Xenopus	IgG1	Rat	IHC		
Monoclonal Antibody	A857/0105	anti-6x histidine tag monoclonal antibody	AD1.1.10	polyhistidine tags localized at the amino- or carboxyl-terminus of proteins		IgG1a	Mouse	WB, IP, IHC (frozen sec), Chromatography	Conrath K et al J Biol Chem (2001) 276:7346-7350	
Monoclonal Antibody	A857/0023	anti-lymphocyte (subset) monoclonal antibody	H9/25.2.8H(LK)	reacts with mouse cytotoxic T cells (CD8+) and plasma cells, not T helper cells or resting B cells. Reacts with BIO.BR, BIO.B2 and AXR (Thy-1.1) but not C3H (Thy-1.2) strains.	Mouse	IgM	Mouse	FC, IHC	Takei et al (1980) Eur.J.Immunology 10:241-246	
Monoclonal antibody	A857/0122	anti-TCR V alpha monoclonal antibody	KT50	TCR V alpha	Mouse	IgG2a	Rat	FC, IHC (frozen sec)		

**MRC reagents catalogue for monoclonal antibodies  
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