

## Monoclonal antibodies available from the Laboratory of molecular immunology

**The specificities of the mAbs marked as (W) were verified by  
international HLDA workshops.**

<b>Antigen</b>	<b>Antibody</b>	<b>Isotype</b>	<b>Note</b>
<b>CD2</b>	MEM-65 (W)	IgG1	unique epitope
	MEM-69	IgG1	
<b>CD3 (ε)</b>	MEM-57 (W)	IgG2a	can be used clinically (immunosuppression)
	MEM-92 (W)	IgM	activating
<b>CD4</b>	MEM-16 (W)	IgM	epitope in D1-D2
	MEM-115 (W)	IgG2a	epitope in D1; blocks gp120
	MEM-241	IgG1	positive in W. blotting (non-red.)
	MEM-242	IgG1	weakly positive in W. blotting (non-red.)
<b>CD5</b>	MEM-32 (W)	IgG1	positive in W. blotting (non-red.)
	MEM-128 (W)	IgM	
	MEM-247	IgG1	positive in W. blotting (non-red.)
<b>CD6</b>	MEM-98	IgG1	positive in W. blotting (non-red.)
	MEM-100	IgG1	
<b>CD7</b>	MEM-186 (W)	IgG	positive in W. blotting (non-red.)
<b>CD8</b>	MEM-31 (W)	IgG2a	
	MEM-87 (+ several others)	IgG1	epitope similar to MEM-31
	MEM-146 (W)	IgG1	epitope different from MEM-31

<b>CD9</b>	MEM-62 (W)	IgG1	
	MEM-192 (W)	IgM	positive in W. blotting (non-red.)
<b>CD10 (CALLA)</b>	MEM-78 (W)	IgG1	positive in W. blotting (non-red.)
<b>CD11a (LFA-1a)</b>	MEM-25 (W)	IgG1	
	MEM-30 (W)	IgG1	
	MEM-83 (W)	IgG1	activates LFA-1 (to high affinity)
	MEM-94	IgG1	blocks binding to ICAM-1
	MEM-95 (W)	IgG1	blocks binding to ICAM-1
	MEM-144	IgG1	
	MEM-152	IgG2b	
	MEM-177	IgG1	epitope similar to MEM-83
<b>CD11b</b>	MEM-170 (W)	IgG1	blocks binding to ICAM-1
	MEM-174 (W)	IgG2a	
<b>CD14</b>	MEM-15 (W)	IgG1	positive in W. blotting (non-red.)
	MEM-18 (W)	IgG1	positive in W. blotting (non-red.) blocks binding of LPS-LBP to CD14
<b>CD15</b>	MEM-157	IgM	
	MEM-158	IgM	
	MEM-167	IgM	
<b>CD16</b>	MEM-154 (W)	IgG1	positive in W. blotting (non-red.) recognizes a polymorphism in CD16A (NK-form)
	MEM-168	IgM	
<b>CD17</b>	MEM-74 (W) (+ several others)	IgM	
<b>CD18 (LFA-1b)</b>	MEM-48	IgG1	positive in W. blotting (non-red.) induces high-affinity state of LFA-1

	MEM-148	IgG1	unique epitope accessible in free CD18 only; activating mAb
<b>CD20</b>	MEM-97 (W)	IgG1	
<b>CD22b</b>	MEM-01	IgG1	positive in W. blotting (non-red.)
<b>CD25</b>	MEM-140 (W)	IgM	
	MEM-141	IgM	
	MEM-145 (W)	IgM	
	MEM-181 (W)	IgG1	
<b>CD29</b>	MEM-101A (W)	IgG1	positive in W. blotting (non-red.)
<b>CD30</b>	MEM-268	IgG	positive in W. blotting (non-red.)
<b>CD31</b>	MEM-05	IgG1	
<b>CD41</b>	MEM-06	IgG1	
<b>CD43</b>	MEM-59 (W)	IgG1	sialic acid-dependent epitope positive in W. blotting
	MEM-256	IgG1	positive in W. blotting (non-red.); (atypical-epitope absent in myeloid cells)
	MEM-257	IgG1	positive in W. blotting (non-red.)
<b>CD44</b>	MEM-85 (W)	IgG2b	positive in W. blotting (non-red.)
	MEM-263	IgG1	strongly positive in W. blotting
<b>CD45</b>	MEM-28 (W) (+ several others)	IgG1	positive in W. blotting (red., non-red.) positive in paraffin sections
<b>CD45RA</b>	MEM-56 (W)	IgG2b	positive in W. blotting
	MEM-93 (W)	IgG1	as MEM-56
	MEM-109 (+ several others)	IgG1	
<b>CD45RB</b>	MEM-55 (W)	IgG1	carbohydrate-dependent epitope
	MEM-143	IgG1	

<b>CD46</b>	MEM-258	IgG2a	positive in W. blotting (non-red.)
<b>CD47</b>	MEM-122 (W)	IgM	
	MEM-120 (W)	IgM	low affinity
	MEM-133 (W)	Ig2a	low affinity
<b>CD48</b>	MEM-102 (W)	IgG1	positive in W. blotting (non-red.)
	MEM-124 (W)	IgM	
	MEM-200	IgG1	positive in W. blotting
	MEM-201	IgG1	
	MEM-204	IgG3	
	MEM-211	IgG2b	positive in W. blotting
	MEM-212	IgG2b	
	MEM-213	IgG1	
<b>CD50</b>	MEM-04	IgG1	epitope in D1; blocks DC-SIGN binding
	MEM-171 (W)	IgG1	epitope in D2
<b>CD53</b>	MEM-53 (W)	IgG1	positive in W. blotting (non-red.)
<b>CD54 (ICAM-1)</b>	MEM-111(W)	IgG2a	positive in W. blotting (non-red.)
	MEM-112 (W)	IgG1	as MEM-111 but weaker
<b>CD55 (DAF)</b>	MEM-118 (W)	IgM	
<b>CD56</b>	MEM-188 (W)	IgG2a	positive in W. blotting (non-red.)
<b>CD58</b>	MEM-63 (W)	IgG1	epitope in D1
<b>CD59</b>	MEM-43 (W)	IgG2a	positive in W. blotting (non-red.)
	MEM-43/5 (W) (+ several others)	IgG2b	different epitope; strong in W. blotting non-red.)
	MEM-125 (W)	IgM	

	MEM-129	IgM	
<b>CD63</b>	MEM-259	IgG1	positive in W. blotting (non-red.)
<b>CD71 (TfR)</b>	MEM-75 (W)	IgG1	does not block transferrin binding
	MEM-105	IgG2a	does not block transferrin binding
	MEM-189 (W)	IgG1	positive in W. blotting (non-red.) does not block transferrin binding
	MEM-191	IgG	does not block transferrin binding
<b>CD80</b>	MEM-233	IgG1	positive in W. blotting (non-red.)
	MEM-234	IgG1	positive in W. blotting
	MEM-235	IgG1	positive in W. blotting
<b>CD97</b>	MEM-180 (W)	IgG1	
<b>CD98</b>	MEM-108 (W)	IgG1	
	MEM-156 (W)	IgM	
<b>CD99R</b>	MEM-131 (W)	IgM	positive in W. blotting
<b>CD105</b>	MEM-223 (+ several others)	IgG	positive in W. blotting (non-red.)
<b>CD108</b>	MEM-121 (W)	IgM	positive in W. blotting
	MEM-150 (W)	IgM	as MEM-121; higher affinity
<b>CD147</b>	MEM-M6/1 (+ several others)	IgG1	positive in W. blotting (non-red.)
<b>CD148</b>	MEM-CD148/01 MEM-CD148/5	IgG1 IgG2b	positive in W. blotting (non-red.) FACS
<b>CD173</b>	MEM-195 (W)	IgM	
	MEM-196 (W)	IgM	
	MEM-197 (W)	IgM	
	MEM-198 (W)	IgM	

<b>CD177</b>	MEM-166 (W)	IgG1	positive in W. blotting (non-red.)
<b>CD222</b>	MEM-238 (W)	IgG1	positive in W. blotting (non-red.)
	MEM-239	IgG1	
	MEM-240 (W)	IgG1	positive in W. blotting (non-red.)
<b>CD300</b>	MEM-260	IgG	positive in W. blotting (non-red.)
<b>CD361 (Evi2b)</b>	MEM-216	IgG1	Positive in W. blotting
<b><math>\beta_2</math> microglobulin</b>	B2M-01	IgG2a	positive in W. blotting (non-red.)
	B2M-02	IgG1	positive in W. blotting (non-red.)
<b>HLA-DR</b>	MEM-12 (+ several others)	IgG1	in W. blotting recognizes only the ab dimer (non-boiled sample)
<b>HLA-DR+DP (<math>\beta</math>-chain)</b>	MEM-136	IgG1	positive in W. blotting (non-red.; red.)
	MEM-138	IgG2a	positive in W. blotting (non-red.; red.)
<b>HLA-DR (<math>\alpha</math>-chain)</b>	MEM-137	IgG1	positive in W. blotting (non-red.)
<b>MHC class II, human, mouse</b>	SLE-01, -03, - 04, -06	chicken IgY	positive in W. blotting
<b>HLA-class I</b>	MEM-147	IgG1	reacts in W. blotting (non-red.) with some allelic forms; very similar to W6/32)
<b>HLA-class I</b>	MEM-81	IgG1	
	MEM-119	IgM	
	MEM-123	IgG3	
	MEM-130	IgM	
	MEM-149	IgG1	reacts with an undefined polymorphic determinant (present in most subjects)
	MEM-155	IgG1	
<b>HLA-E</b>	MEM-E/2 (+ several others)	IgG	positive in W. blotting (does not react with native molecule)

	MEM-E/6, E/7, E/8	IgG1	react with partially denatured molecule, cross-reactive with some other MHC class I molecules
<b>HLA-G</b>	MEM-G/1 (+ several others)	IgG1	positive in W. blotting and paraffin sections (does not react with native molecule)
	MEM-G/9 (+ several others)	IgG1	reacts with native molecule
<b>Ig k-chains</b>	MEM-09	IgG1	positive in W. blotting (non-red.; red.)
	MEM-40	IgG1	positive in W. blotting (non-red.; red.)
<b>TCR-V<math>\beta</math>5-related (HPB-ALL)</b>	MEM-262	IgG2a	positive in W. blotting (non-red.; red.)
<b>Insulin (human, pig, bovine)</b>	IN-05	IgG1	
	IN-06	IgG2b	
<b>C-peptide of human proinsulin</b>	C-PEP-01	IgG1	
<b>a-fetoprotein (human)</b>	AFP-01, 02, 03 -11,-12,-13,-14	all IgG1	different epitopes
<b>Phosphotyrosine</b>	P-TYR-01	IgG1	positive in W. blotting (non-red.; red.)
	P-TYR-02	IgG2b	positive in W. blotting (non-red.; red.)
<b>Lck (human) Tyr-kinase</b>	LCK-01 (peptide 22-36)	IgG1	positive in W. blotting (non-red.; red.)
<b>Lck (human, mouse) Tyr-kinase</b>	LCK-04 (peptide 22-36)	IgG1	positive in W. blotting (non-red.; red.)
<b>Fyn (human and mouse) Tyr-kinase</b>	FYN-01 (fragment aa7- 197)	IgG1	positive in W. blotting (non-red.; red.)
<b>Csk (human, mouse) Tyr-kinase</b>	CSK-04 (fragment aa330-450)	IgG1	positive in W. blotting (non-red.; red.)
<b>SLP-76 (human) cytoplasmic adaptor</b>	SLP-76/1 SLP-76/2 SLP-76/3	IgG1 IgG1 IgG2b	Positive in W. blotting (weak) Positive in W. blotting Positive in W. blotting, also pig, mouse
<b>ZAP-70 Tyr-kinase</b>	ZAP-70/2 ZAP-70/3	IgG1	Positive in W. blotting
<b>SKAP-HOM (human and mouse) Cytoplasmic adaptor</b>	SKAP-HOM- 01, 02, 03	IgG	Positive in W. blotting, human, mouse
<b>TRAIL TNF-like membrane cytokine</b>	TRAIL-01 (+ several others)	IgG	positive in W. blotting; some mAbs blocking

<b>TRIM</b> transmembrane adaptor	TRIM-01 through TRIM-10	IgG2a	some positive in W. blotting, some reactive also with mouse
<b>SIT</b> transmembrane adaptor	SIT-01 through SIT-04	IgG	some positive in W. blotting, some reactive also with mouse
<b>Daxx</b> cytoplasmic and nuclear adaptor	DAXX-01 through DAXX-04	IgG	positive in W. blotting
<b>PAG</b> transmembrane adaptor	MEM-253	IgG2a	weak in W. blotting; for IP
	MEM-255	IgG2a	positive in W. blotting
	PAG-C1	IgG2b	C-terminal peptide; human, mouse PAG
<b>NTAL</b> transmembrane adaptor	PAG-C6	IgG2b	C-terminal peptide; human, mouse PAG
	NAP-3	IgG2a	Anti-peptide; positive in W. blotting
	NAP-7	IgG1	Positive in W. blotting (human, mouse)
<b>LAT</b> transmembrane adaptor	NAP-8	IgG1	Positive in W. blotting (human, mouse)
	LAT-01	IgG1	Positive in W. blotting; poor with phosphorylated LAT
<b>LIME</b> transmembrane adaptor	LIME-10 (and several others)	IgG2a	Positive in W. blotting
<b>Mouse LIME</b> transmembrane adaptor	mLIME-05 (and several others)	IgG2a	Positive in W. blotting
<b>EBP50 (NHERF)</b> adaptor linking TM proteins to ERM proteins	EBP-10	IgG2b	Positive in W. blotting
<b>Evi2b (CD361)</b> TM protein of unknown function	MEM-216	IgG1	Positive in W. blotting
<b>Sos1</b> GEF for Ras	SOS-01	IgG1	Anti-peptide, Positive in WB
<b>H-Ras</b> small G-protein	H-RAS-01	IgG1	Anti-peptide, Positive in WB
<b>GCPII (PSMA)</b> Glutamate carboxypeptidase II (prostate specific membrane antigen)	GCPII-04	IgG1	Positive in WB
	GCPII-05	IgG1	Native molecule, IP
<b>GCPIII</b> Glutamate carboxypeptidase II	GCPIII-02	IgG1	Positive in WB



<b>PSMA-L (naaldase-L)</b> shortened homolog of GCPII	PSMA-L/01	IgG2b	Positive in WB
<b>SHIP-1</b> (lipid) phosphatase	SHIP-01	IgG2a	Anti-peptide, Positive in WB
<b>DNA helicase II (KuII)</b>	MEM-54	IgG2a	
<b>LST1/A</b> transmembrane adaptor	LST1-2	IgG1	Anti-peptide, Positive in WB
<b>Lamin A/B</b>	LST1-1	IgG2a	Positive in WB, crossreactive with LST1/A (useful for lamin especially in non-myeloid cells, negative for LST1/A)
<b>Nvl (SCIMP)</b> transmembrane adaptor	NVL-03 (and several others)	IgG1	Positive in WB
<b>Drebrin</b> (actin-binding protein)	DBN-N-01 (and several others)	IgG2a	Positive in WB
<b>CLIC5</b> (chloride intracellular channel protein)	CLIC5-01 (and several others)	IgG1	Anti-peptide, Positive in WB
<b>OPAL1</b> (transmembrane adaptor, “outcome predictor of acute leukemia”)	OPAL1-01, 02	IgG2a	Positive in WB
<b>TFG</b> (intracellular adaptor)	TFG-01, 02, 03	IgG2b	Positive in WB
<b>LARGE</b> (Glycosyltransferase-like protein)	LARGE-01 (and several others)	IgG2a	Positive in WB
<b>DDIT4L</b> (cytoplasmic, regulating the TOR signaling pathway)	DDIT-01 (and several others)	IgG1	Positive in WB, FACS
<b>ARH-GEF4</b> (Rho guanine nucleotide exchange factor 4)	ARH GEF-01 (and several others)	IgG1	Positive in WB, FACS
<b>AGPS</b> (alkylglycerone phosphate synthase)	AGPS-01 (and several others)	IgG2a	Positive in WB, FACS