

Mouse anti-Rat CD5 Monoclonal Antibody | anti-CD5 antibody

Anti-Rat CD5 Biotin (Clone OX-19) (mouse IgG1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74161	Mouse	Rat	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

CD5; Monoclonal Antibody; Anti-Rat CD5 Biotin (Clone OX-19) (mouse IgG1); CD5 Biotin (Clone OX-19) (mouse IgG1); Biotin Anti-Rat CD5 Monoclonal Antibody; anti-CD5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	MRC-OX-19
Specificity	CD5 (Rat CD5)
Form/Format	Biotin conjugated Ig buffered in PBS, 0.02% NaN3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.
Concentration	Antibody Concentration: 0.1 mg/ml (varies by lot)
Sequence Length	495
Applicable Applications for anti-CD5 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Immunogen	Rat thymocyte glycoproteins, depleted of LC-A, W3/13 antigen and Thy 1.
Fusion Partner	P3-NSI-I-Ag4(NS1/1)
Donor	BALB/c spleen
Preparation and Storage	For all formats, store at 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CD5 antibody	MBS520186 anti-rat CD5 monoclonal antibody recognizes a determinant expressed on all rat thymocytes and peripheral T lymphocytes. It has been determined that there are 15,000 antigenic sites for MBS520186 per cell on thymocytes and 30,000 on peripheral T cells. This antibody does not bind to B cells, macrophages, NK cells or mast cells. No cross-reactivity has been detected with non-lymphoid cells in intestine, thymus, spleen or lymph node. The antigen recognized by MBS520186 is a surface glycoprotein of Mr 69 kDa, and is most likely the homologue of the mouse Ly 1 and human CD5 antigen. The antigen has also been shown to have an important functional role in T cell activation and differentiation indicating a use for this antibody in related studies. This antibody may be employed to label cells with anti-mouse Ig conjugated to fluorescein, peroxidase or 125 I. This clone is reported to work with frozen and paraffin sections.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	166197668
NCBI GeneID	921
NCBI Accession #	NP_055022.2
NCBI GenBank Nucleotide #	NM_014207.3
UniProt Accession #	P06127; A0N0P4; A8K9I3
NCBI Official Full Name	T-cell surface glycoprotein CD5
NCBI Official Synonym Full Names	CD5 molecule
NCBI Official Symbol	CD5
NCBI Official Synonym Symbols	T1; LEU1
NCBI Protein Information	T-cell surface glycoprotein CD5; CD5 antigen (p56-62); lymphocyte antigen T1/Leu-1
UniProt Protein Name	T-cell surface glycoprotein CD5
UniProt Gene Name	CD5
UniProt Synonym Gene Names	LEU1
UniProt Entry Name	CD5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.