Mouse anti-Human CD6 Monoclonal Antibody | anti-CD6 antibody

CD6 Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62601	**Mouse**	**Human**	**Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

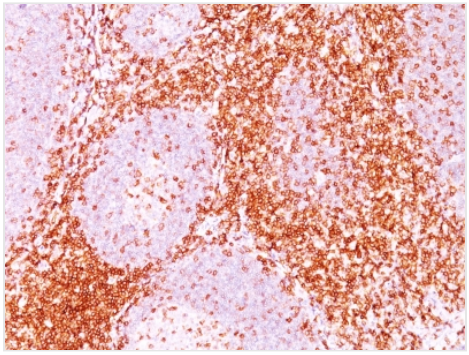
PRODUCT SYNONYMS

CD6; Monoclonal Antibody; CD6 Mouse Monoclonal Antibody; T12; TP120; anti-CD6 antibody

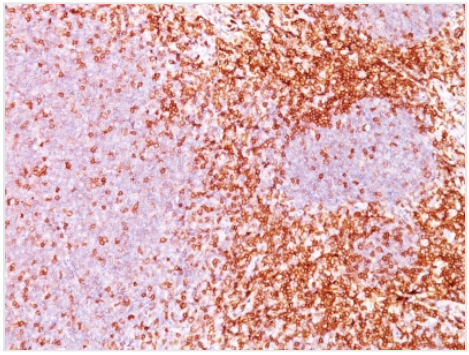
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3F7B5
Specificity	CD6 is a type I transmembrane glycoprotein that contains a 24-amino acid signal sequence, three extracellular -scavenger receptor cysteine-rich- (SRCR) domains, a membrane-spanning domain and a 44-amino acid cytoplasmic domain. The CD6 glycoprotein is tyrosine phosphorylated during TCR-mediated T cell activation. CD6 shows significant homology to CD5. CD6 is present on mature thymocytes, peripheral T cells and a subset of B cells. Antibodies to CD6 are used to deplete T cells from bone marrow transplants to prevent graft versus host disease.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	601
Applicable Applications for anti-CD6 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface and Cytoplasmic
Immunogen	Human rheumatoid synovial T cell line ST-1
Hu-Chromosome Location	11q12.2
Positive Control	CCRF-CEM, Jurkat cells, Tonsil
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD6 Monoclonal Antibody (3F7B5).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD6 Monoclonal Antibody (3F7B5).

ADDITIONAL INFORMATION

References	Bazil, V et. al. 1989. Monoclonal antibodies against human leucocyte antigens. III. Antibodies against CD45R, CD6, CD44 and two newly described broadly expressed glycoproteins MEM-53 and MEM-102. Folia. Biol. 35:289-297

NCBI AND UNIPROT INFORMATION

NCBI GI #	363543322
NCBI GeneID	923
NCBI Accession #	NP_001241679.1
NCBI GenBank Nucleotide #	NM_001254750.1
UniProt Accession #	P30203; Q9UMF2; Q9Y4K7; Q9Y4K8; Q9Y4K9; Q9Y4L0; A4KAD4; A4KAD5
Molecular Weight	90-130kDa
NCBI Official Full Name	T-cell differentiation antigen CD6 isoform 2
NCBI Official Synonym Full Names	CD6 molecule
NCBI Official Symbol	CD6
NCBI Official Synonym Symbols	TP120
NCBI Protein Information	T-cell differentiation antigen CD6
UniProt Protein Name	T-cell differentiation antigen CD6
UniProt Gene Name	**CD6**
UniProt Entry Name	CD6_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/cd6-antibody-clone-3f7b5-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62601