

CD6 recombinant antibody

Anti-CD6 [OX-126], Mouse IgG1, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72432	Mouse	Human	Flow Cytometry, Functional Assay

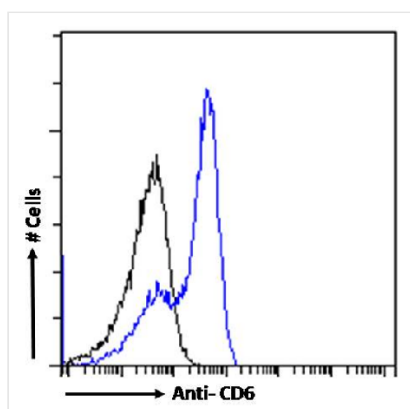
PRODUCT SYNONYMS

CD6; Monoclonal Recombinant Antibody; Anti-CD6 [OX-126]; Mouse IgG1; kappa; TP120; OX126; MRC OX-126; MRC OX 126; CD6 recombinant antibody

PRODUCT SPECIFICATIONS

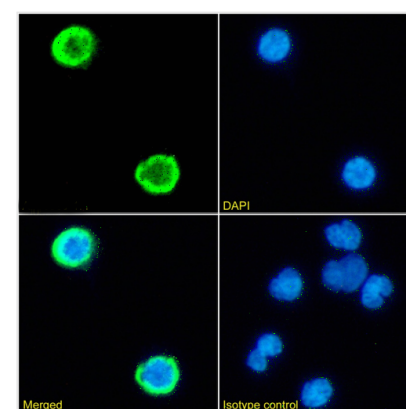
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Number	OX-126
Specificity	This antibody is specific for the domain 2 of human CD6. Binding depends on a SNP (R, amino acid 225).
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD6 recombinant antibody	FCM/FACS (Flow Cytometry)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry using the Anti-CD6 antibody OX-126 (AAA72432). Paraformaldehyde fixed human peripheral blood monocytes were restained with anti-unknown specificity antibody or the mouse IgG1 version of OX-126 (AAA72432-1.1, blue line) at a dilution of 1:100 for 1 hour at RT. After washing, the bound antibody was detected using a goat anti-mouse IgG Alexa Fluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow cytometer.



IF (Immunofluorescence)

Immunofluorescence staining of human peripheral blood leukocytes using anti-CD6 (AAA72432) OX-126. Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes stained with Anti-CD6 (AAA72432-1.1) at 10 µg/ml followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing membrane staining. Then the same cells were stained with DAPI (blue) and isotype control (green). The isotype control was stained with unknown antibody followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for CD6 recombinant antibody	This antibody was raised by immunizing BALB/c mice with a fusion protein consisting of human CD6 domain 3 and rat CD4 domains 3 and 4 (CD6d3CD4d3 + 4) (corrected, see: (Hassan et al., 2019; pmid: 30890626)).
References	Hassan et al. CD6 Regulates T-Cell Responses through Activation-Dependent Recruitment of the Positive Regulator SLP-76 MOLECULAR AND CELLULAR BIOLOGY, Sept. 2006, p. 6727-6738 N/A16914752 Note on publication: Describes the original use of this antibody to engage human CD6, blocking the CD6/CD166 interaction.

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
Molecular Weight	71,801 Da
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; T12; CD6 antigen
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd6-recombinant-antibody-clone-ox-126-flow-cytometry-elisa/72432>