

Mouse CD4 Monoclonal Antibody | anti-CD4 antibody

CD4 Antibody [9H5A8]

CATALOG # AAA39186	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

CD4; Monoclonal Antibody; CD4 Antibody [9H5A8]; CD4 Antibody [9H5A8] : CD4mut; CD4 molecule; anti-CD4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	9H5A8
Purity/Purification	CD4 Monoclonal Antibody is immunoaffinity chromatography purified IgG.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	458
Applicable Applications for anti-CD4 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Mouse monoclonal CD4 antibody was raised against a 193 amino acid recombinant protein from near the amino terminus of human CD4.
Buffer	CD4 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CD4 monoclonal antibody can be stored at -20 degree C, stable for one year.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of CD4 in human thymus tissue with CD4 antibody at 5 &#956;g/ml.



WB (Western Blot)

Western blot analysis of CD4 in human thymus tissue lysate with CD4 antibody at (A) 0.5 and (B) 1 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CD4 antibody	CD4 Monoclonal Antibody: CD4 is a member of the immunoglobulin superfamily and is implicated as associative recognition element in MHC (Major Histocompatibility Complex) class II-restricted immune response. On T-lymphocytes, it defines the helper/inducer subset. The mature 55 kd CD4 protein consists of a 372 amino acid extracellular segment composed of four tandem immunoglobulin-like VJ regions. The CD4 molecule is a major receptor for human immunodeficiency virus (HIV), binding directly to the envelope glycoprotein gp120 on HIV, with the co-receptors being CCR5 or CXCR4. It has been shown that the V-like domains are critical for binding with HIV envelope gp120.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10835167
NCBI GeneID	920
NCBI Accession #	NP_000607
NCBI GenBank Nucleotide #	NM_000616.4
UniProt Accession #	P01730; Q4ZGK2; Q5U066; Q9UDE5; B2R737; D3DUS5
Molecular Weight	51,111 Da
NCBI Official Full Name	T-cell surface glycoprotein CD4 isoform 1
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4
NCBI Official Synonym Symbols	CD4mut
NCBI Protein Information	T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3
UniProt Protein Name	T-cell surface glycoprotein CD4
UniProt Gene Name	CD4
UniProt Entry Name	CD4_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/cd4-antibody-clone-9h5a8-western-blot-elisa/39186>