

Mouse CD4 Monoclonal Antibody | anti-CD4 antibody

CD4 antibody

CATALOG # AAA106539	HOST Mouse	APPLICATIONS Western Blot
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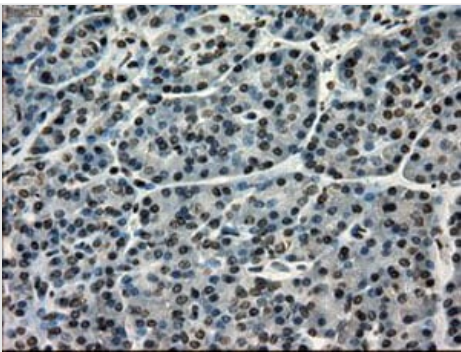
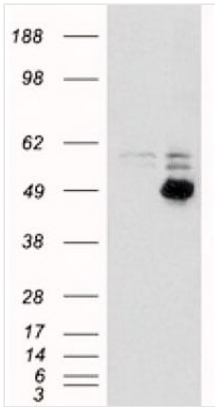
PRODUCT SYNONYMS

CD4; Monoclonal Antibody; CD4 antibody; Monoclonal CD4; Anti-CD4; L3T4; CD4 antigen (p55); CD4+ Lymphocyte deficiency; CD4_HUMAN; CD4mut; Leu3; Ly-4; Lymphocyte antigen CD4; MGC165891; p55; T Cell Antigen T4; T cell differentiation antigen L3T4; CD 4; CD-4; anti-CD4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	10B5
Purity/Purification	CD4 antibody was purified by affinity chromatography.
Form/Format	Liquid in PBS, pH7.3, with 1% BSA, 50% Glycerol, and 0.02% Sodium Azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	458
Applicable Applications for anti-CD4 antibody	WB (Western Blot)
Biological Significance	Human CD4 is a cell surface glycoprotein of 55 kDa expressed on most thymocytes, on about two thirds of peripheral T cells, and on some monocyte macrophage lineage cells. CD4 interacts with MHC Class II molecules in an accessory role during foreign antigen recognition by T cells. The extracellular portion of CD4 is an array of four Ig-like domains. The amino terminal region of CD4 is a receptor for the HIV-1 viral protein gp120.
Cross-Reactivity	Human, Dog, Rat, Monkey
Immunogen	Full length human recombinant protein of human D4 (NP_000607) produced in HEK293T cells.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of CD4 protein in paraffin embedded Human pancreas tissue using CD4 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CD4 protein (Right) or empty vector (Left) detected with CD4 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CD4 antibody	Mouse monoclonal CD4 antibody
Product Categories/Family for anti-CD4 antibody	Immunology

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
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.