

CD4 recombinant antibody

Rabbit anti-CD4 Recombinant Monoclonal Antibody [BLR167J]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213621	Rabbit	Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

CD4; Monoclonal Recombinant Antibody; Rabbit anti-CD4 Recombinant Monoclonal Antibody [BLR167J]; L3T4; T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; Ly-4; CD antigen CD4; T-cell differentiation antigen L3T4; CD4 antigen; CD4 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Clone Number	BLR167J
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA-Free
Concentration	1000ug/ml (varies by lot)
Applicable Applications for CD4 recombinant antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 407 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of mouse CD4 by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, BW5147.3, thymus, 70Z/3, and EL4 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD4 recombinant monoclonal antibody (AAA213621 lot 2) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



IHC (Immunohistochemistry)

Detection of mouse CD4 by immunohistochemistry. Sample: FFPE section of mouse spleen. Antibody: Rabbit anti-CD4 recombinant monoclonal antibody (AAA213621 lot 2) used for IP at 6 ul/200 ug lysate. CD4 was also immunoprecipitated by a previous lot of this antibody (AAA213621 lot 1). For blotting immunoprecipitated CD4, AAA213621 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 75 seconds.

ADDITIONAL INFORMATION

Related Product Information for CD4 recombinant antibody	CD4 is a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. CD4 is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system [taken from NCBI Entrez Gene (Gene ID: 920)].
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7304953
NCBI GeneID	12504
NCBI Accession #	NP_038516.1
NCBI GenBank Nucleotide #	NM_013488.2
UniProt Accession #	P06332
Molecular Weight	24,473 Da
NCBI Official Full Name	T-cell surface glycoprotein CD4
NCBI Official Synonym Full Names	CD4 antigen
NCBI Official Symbol	Cd4
NCBI Official Synonym Symbols	L3T4; Ly-4
NCBI Protein Information	T-cell surface glycoprotein CD4; T-cell differentiation antigen L3T4; T-cell surface antigen T4/Leu-3; T-cell surface glycoprotein CD4 precursor (T-cell surface antigen T4/Leu-3) (T-cell differentiation antigen L3T4)
UniProt Protein Name	T-cell surface glycoprotein CD4
UniProt Gene Name	Cd4
UniProt Entry Name	CD4_MOUSE

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-recombinant-antibody-clone-blr167j-immunohistochemistry-immunoprecipitation-western-blot-elisa/213621>