

CD4/LEU3 recombinant protein

Biotinylated Human CD4/LEU3 Protein Recombinant

CATALOG #	HOST
AAA76331	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

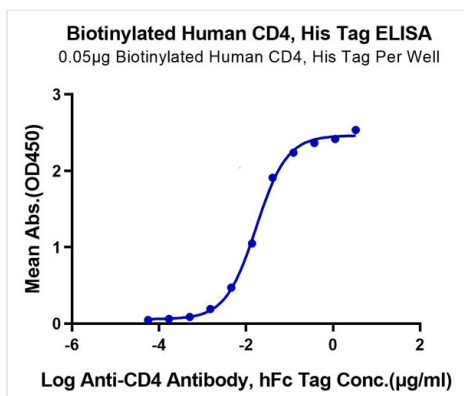
PRODUCT SYNONYMS

CD4/LEU3; Biotinylated Human CD4/LEU3 Protein Recombinant; CD4/LEU3 recombinant protein

PRODUCT SPECIFICATIONS

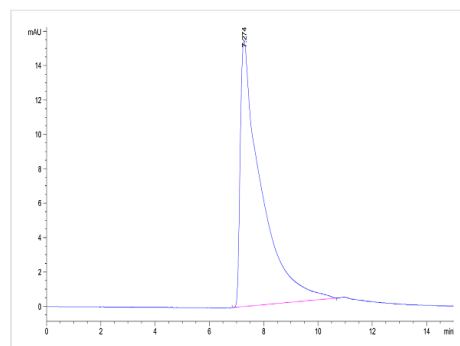
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human CD4/LEU3 was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human CD4/LEU3 including a C-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVItag biotinylation technology.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Molecular Function	Receptor
Biological Process	Immunity, Host-virus-interaction
Reconstitution	Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



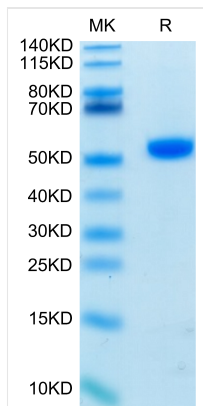
ELISA

Biotinylated Human CD4/LEU3 Protein ELISA Data: Immobilized Biotinylated Human CD4, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-CD4 Antibody, hFc Tag with the EC50 of 17.2 ng/ml determined by ELISA.



Application Data

Biotinylated Human CD4/LEU3 Protein SEC-HPLC: The purity of Biotinylated Human CD4 is greater than 95% as determined by SEC-HPLC.



Tris-Bis-PAGE

Biotinylated Human CD4/LEU3 Protein Tris-Bis PAGE Biotinylated Human CD4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for CD4/LEU3 recombinant protein	Biotinylated proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10835167
NCBI GeneID	920
NCBI Accession #	NP_000607.1
NCBI GenBank Nucleotide #	NM_000616.4
UniProt Accession #	P01730; A8MYU2; D3W0D1; O00180; O00206 TLR4_HUMAN; O00255; O00408; O00763; O14744 ANM5_HUMAN; O14745; O14746; O14862; O14920; O14931 NCTR3_HUMAN; O15151 MDM4_HUMAN; O15164; O15169; O15350; O15379; O15394 NCAM2_HUMAN; O15409; O15431; O15455 TLR3_HUMAN; O43809; O60
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/cd4-recombinant-protein-hek293-cells/76331>