

B7-1/CD80 recombinant protein

Biotinylated Human B7-1/CD80 Protein Recombinant

CATALOG #	HOST
AAA76303	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

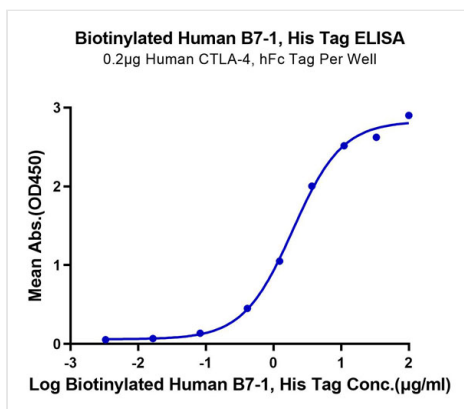
PRODUCT SYNONYMS

B7-1/CD80; Biotinylated Human B7-1/CD80 Protein Recombinant; B7-1/CD80 recombinant protein

PRODUCT SPECIFICATIONS

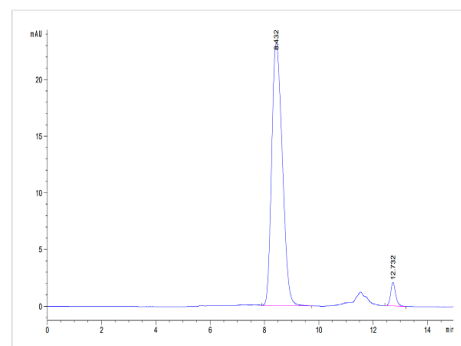
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human B7-1/CD80 was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human B7-1/CD80 including a C-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVI tag 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	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



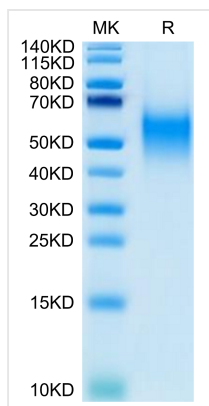
ELISA

Biotinylated Human B7-1/CD80 Protein ELISA Data: Immobilized Human CTLA-4, hFc Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Human B7-1, His Tag with the EC50 of 1.9 µg/ml determined by ELISA.



Application Data

Biotinylated Human B7-1/CD80 Protein SEC-HPLC: The purity of Biotinylated Human B7-1 is greater than 95% as determined by SEC-HPLC.



Tris-Bis-PAGE

Biotinylated Human B7-1/CD80 Protein Tris-Bis PAGE Biotinylated Human B7-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for B7-1/CD80 recombinant protein	Biotinylated proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	461606
NCBI GeneID	941
UniProt Accession #	P33681; P10747 CD28_HUMAN
Molecular Weight	18,761 Da
NCBI Official Full Name	T-lymphocyte activation antigen CD80
NCBI Official Synonym Full Names	CD80 molecule
NCBI Official Symbol	CD80
NCBI Official Synonym Symbols	B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1
NCBI Protein Information	T-lymphocyte activation antigen CD80
UniProt Protein Name	T-lymphocyte activation antigen CD80
UniProt Gene Name	CD80
UniProt Synonym Gene Names	CD28LG; CD28LG1; LAB7; B7

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://www.aaabiotech.com/cd80-recombinant-protein-hek293-cells/76303>