

B7-DC/PD-L2/CD273 Active Protein | B7-DC active protein

Recombinant Human B7-DC/PD-L2/CD273 Protein

CATALOG #
AAA281510

HOST
HEK293 Cells

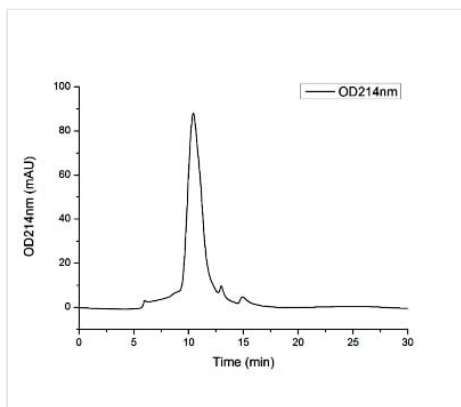
PRODUCT SYNONYMS

B7-DC/PD-L2/CD273; Recombinant Human B7-DC/PD-L2/CD273 Protein; B7-DC; B7DC; bA574F11.2; Btdc; CD273; PD-L2; PDCD1L2; PDL2; B7-DC active protein

PRODUCT SPECIFICATIONS

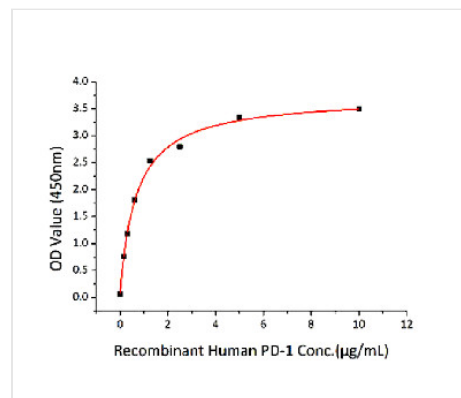
Host	HEK293 Cells
Purity/Purification	>95% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Sequence Length	273
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human PD-L2 at 5 ug/mL (100 uL/well), can bind Recombinant Human PD-1 with a linear range of 0.3-1.2 ug/ml
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Tag	C-6xHis
Preparation and Storage	Store the lyophilized protein at -20 degree C to -80 degree C for long term. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



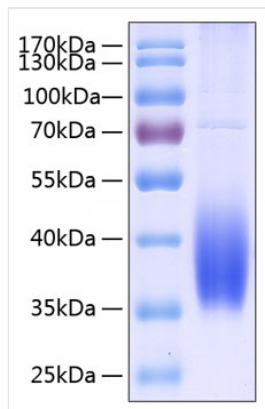
Application Data

The purity of Human B7-DC/PD-L2/CD273 Protein (Cat.AAA281510) was greater than 90% as determined by SEC-HPLC.



Application Data

Immobilized Recombinant Human PD-L2 at 5ug/mL (100 uL/well) can bind Recombinant Human PD-1 with a linear range of 0.3-1.2 ug/mL.



SDS-PAGE

Recombinant Human B7-DC/PD-L2/CD273 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 29-47 kDa.

ADDITIONAL INFORMATION

Related Product Information for B7-DC active protein	Description: Recombinant Human B7-DC/PD-L2/CD273 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Leu20-Pro219) of human B7-DC/PD-L2/CD273 (Accession #NP_079515.2) fused with a 6xHis tag at the C-terminus. Background: Programmed Death Ligand 2 (PD-L2), also known as B7-DC and butyrophilin-like protein, is a member of the B7 family of proteins that provide signals for regulating T-cell activation and tolerance. PD-L2 is expressed on dendritic cells, subsets of activated CD4+ and CD8+ T cells, and memory B cells that differentiate into plasma cells. At inflammatory sites such as rheumatoid arthritis, allergen exposure, and virus infection, PD-L2 is up-regulated on synovocytes, infiltrating macrophages, dendritic cells, and airway epithelial cells. PD-L2, along with B7-H1/PD-L1, binds to T cell PD-1 where it promotes IFN-gamma production and CD40 Ligand up-regulation while inhibiting IL-4 production. In addition, PD-L2 binds to RGM-B on macrophages and alveolar epithelial cells, supporting respiratory immune tolerance. In asthma, PD-L2 suppresses IL-5 and IL-13 production, promotes IL-12 production by dendritic cells, and supports allergen-induced airway hyper-responsiveness and mucus production.
Product Categories/Family for B7-DC active protein	Immune Checkpoint

NCBI AND UNIPROT INFORMATION

NCBI GI #	190014605
NCBI GeneID	80380
NCBI Accession #	NP_079515.2
NCBI GenBank Nucleotide #	NP_079515.2
UniProt Accession #	Q9BQ51
NCBI Official Full Name	programmed cell death 1 ligand 2
NCBI Official Synonym Full Names	programmed cell death 1 ligand 2
NCBI Official Symbol	PDCD1LG2
NCBI Official Synonym Symbols	B7DC; Btdc; PDL2; CD273; PD-L2; PDCD1L2; bA574F11.2
NCBI Protein Information	programmed cell death 1 ligand 2
UniProt Protein Name	Programmed cell death 1 ligand 2
UniProt Gene Name	PDCD1LG2
UniProt Synonym Gene Names	B7DC; CD273; PDCD1L2; PDL2; PD-1 ligand 2; PD-L2; PDCD1 ligand 2; Programmed death ligand 2; B7-DC
UniProt Entry Name	PD1L2_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/hek293-cells-active-protein/b7-dc-pd-l2-cd273/281510>