

Active Recombinant Human PDCD1LG2 protein, mFc-tagged

Cat. No. PDCD1LG2-375H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDCD1LG2 protein(Leu 20 - Pro 219), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu 20 - Pro 219
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human PD-1, His Tag at 2 µg/mL (100 µL/well) can bind Human PD-L2, Mouse IgG1 Fc Tag with a linear range of 10-156 ng/mL. Serial dilutions of nivolumab were added into Human PD-L2, Mouse IgG1 Fc Tag: Biotinylated Human PD-1, Fc,Avitag binding reactions. The half maximal inhibitory concentration (IC50) is 0.2823 µg/mL.
Molecular Mass	This protein carries a mouse IgG1 Fc tag at the C-terminusThe protein has a calculated MW of 48.9 kDa. The protein migrates as 60-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PDCD1LG2 programmed cell death 1 ligand 2 [Homo sapiens]
Official Symbol	PDCD1LG2
Synonyms	PDCD1LG2; programmed cell death 1 ligand 2; B7 dendritic cell molecule; B7 DC; bA574F11.2; Btdc; CD273; PD L2; PDL2; B7-DC; PD-1 ligand 2; PD-1-ligand 2; PDCD1 ligand 2; butyrophilin B7-DC; programmed death ligand 2; B7DC; PD-L2; PDCD1L2; MGC142238; MGC142240;
Gene ID	80380
mRNA Refseq	NM_025239
Protein Refseq	NP_079515
MIM	605723
UniProt ID	Q9BQ51

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA