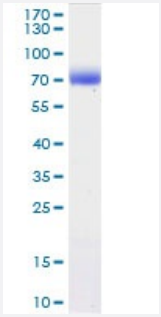
Bioactive HuPro®

CD274 (Human) Recombinant Protein

Catalog # P6775 Size 100 ug

Applications



CD274 (Human) Recombinant Protein (Cat # P6775) was determined by SDS-PAGE with Coomassie Blue, showing a band at 70-75 kDa.

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CD274 (NP_054862.1, 19 a.a. - 239 a.a.) partial recombinant protein with Fc, 6x His tag at C-terminal expressed in HEK293 cells.
Host	Human
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Ni-sepharose purification
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.1 EU/ug of the protein by LAL method.

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Activity	Measured by the binding ability in a functional ELISA. Immobilized Recombinant Human PD-1 at 5 u g/mL (100 uL/well) can bind CD274 (Human) Recombinant Protein (Cat # P6775) with a linear range of 0.5-2.2 ug/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue CD274 (Human) Recombinant Protein (Cat # P6775) was determined by SDS-PAGE with Coomas sie Blue, showing a band at 70-75 kDa.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS, pH 7.4.
Storage Instruction	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution to a concentration of 0.1-0.5 mg/mL in sterile distilled water, the protein solution i s stable at -20°C for 3 months, at 2-8°C for up to 1 week. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- SDS-PAGE

Gene Info — CD274

Entrez GeneID	29126
Protein Accession#	NP_054862.1
Gene Name	CD274
Gene Alias	B7-H, B7H1, MGC142294, MGC142296, PD-L1, PDCD1L1, PDCD1LG1, PDL1
Gene Description	CD274 molecule
Omim ID	605402
Gene Ontology	Hyperlink
Other Designations	CD274 antigen|OTTHUMP00000021029|programmed cell death 1 ligand 1

Pathway

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- Cell adhesion molecules (CAMs)

Disease

- Addison Disease
- Arthritis
- Autoimmune Diseases
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Graves Disease
- Lupus Erythematosus
- Multiple Sclerosis
- Narcolepsy
- Rheumatoid Nodule

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