

# Active Recombinant Mouse Cd274 protein(Met1-His239), hFc-tagged

**Cat. No.** Cd274-821M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Cd274 Protein (NP_068693.1, 1-239aa), was expressed in HEK293 with C-terminal human IgG1 Fc tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-239 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Measured by its binding ability in a functional ELISA.2.Immobilized human PD1-His at 10µg/mL (100µL/well) can bind mouse CD274-Fc, the EC50 of mouse CD274-Fc is 0.1-0.6µg/mL.
<b>Molecular Mass</b>	The recombinant mouse Cd274 consists 459 amino acids and predicts a molecular mass of 51.6 kDa. As a result of glycosylation, it migRates as an approximately 74.3 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**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** Cd274 CD274 antigen [ *Mus musculus* ]

**Official Symbol** Cd274

**Synonyms** CD274; CD274 antigen; programmed cell death 1 ligand 1; B7 homolog 1; PDCD1 ligand 1; programmed death ligand 1; B7h1; Pdl1; Pdc111; Pdc11g1; A530045L16Rik;

**Gene ID** 60533

**mRNA Refseq** NM\_021893

**Protein Refseq** NP\_068693

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