

Active Recombinant Human CD274, HIgG1 Fc-tagged, mutant

Cat. No. CD274-010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 [B7-H1] Protein extracellular domain (NP_054862.1, 19-238aa), was expressed in CHO cell with N-terminal mutant human IgG1 Fc tag.
Species	Human
Source	CHO
ProteinLength	19-238 aa
Description	CD274 (CD274 molecule) is a protein-coding gene. Diseases associated with CD274 include pulmonary venoocclusive disease, and htlv-1 associated myelopathy/tropical spastic paraparesis, and among its related super-pathways are Immune System and Phosphorylation of CD3 and TCR zeta chains. GO annotations related to this gene include protein binding
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit anti-CD3 antibody induced IL-2 secretion in human T lymphocytes.
Molecular Mass	54 KDa (monomer)
AA Sequence	Phe19-Arg238
Endotoxin	<0.06 eu/µg="" as="" determined="" by="" la="">

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

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

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Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	CD274 CD274 molecule [Homo sapiens]
Official Symbol	CD274
Synonyms	CD274; CD274 molecule; CD274 antigen , PDCD1LG1, programmed cell death 1 ligand 1; programmed cell death 1 ligand 1; B7 homolog 1; B7 H; B7 H1; B7H1; PD L1; PDL1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1; B7-H; PD-L1; PDCD1L1; PDCD1LG1; MGC142294; MGC142296;
Gene ID	29126
mRNA Refseq	NM_014143
Protein Refseq	NP_054862
MIM	605402
UniProt ID	Q9NZQ7
Chromosome	9p24.1

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Location	
Pathway	Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem; PD-1 signaling, organism-specific biosystem;
Function	protein binding; protein tyrosine phosphatase activity; receptor activity;

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