

# Active Recombinant Human CD274 Protein, hFc-tagged, FITC conjugated

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

## SPECIFICATION

<b>Product Overview</b>	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 and FITC conjugate.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	19-238 aa
<b>Description</b>	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
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measured by its ability to inhibit anti-CD3 antibody induced IL-2 secretion in human T lymphocytes.
<b>Molecular Mass</b>	54 kDa (monomer)
<b>AA Sequence</b>	Phe19-Arg238

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<b>Endotoxin</b>	< 0.06 EU/ µg as determined by LAL test.
<b>Purity</b>	> 98 % by SDS-PAGE under reducing conditions.
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 nm
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
<b>Concentration</b>	100 µg/mL
<b>Storage Buffer</b>	Lyophilized from 0.2 µm filtered solution in PBS.
<b>Reconstitution</b>	Reconstitute at 100 µg/mL in sterile PBS.
<b>Conjugation</b>	FITC

## GENE INFORMATION

<b>Gene Name</b>	CD274 CD274 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD274
<b>Synonyms</b>	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;

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Gene ID	29126
mRNA Refseq	NM_014143
Protein Refseq	NP_054862
MIM	605402
UniProt ID	Q9NZQ7

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