

Active Recombinant Human CD274 Protein, hFc-tagged, Alexa Fluor 488 conjugated

Cat. No. CD274-010HAF488 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 and Alexa Fluor 488 conjugate.

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

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

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Endotoxin	< 0.06 EU/ µg as determined by LAL test.
Purity	> 98 % by SDS-PAGE under reducing conditions.
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Stability	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.
Concentration	100 µg/mL
Storage Buffer	Lyophilized from 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
Conjugation	Alexa Fluor 488

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;

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

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