

# Recombinant Human CD274 Protein, Fc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** CD274-2142HAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                       |
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| <b>Product Overview</b> | Recombinant Human B7H1 (CD274) Protein extracellular domain, was expressed in mammalian cells with C-terminal murine IgG1 Fc tag and Alexa Fluor 488 conjugate (contains 493 amino acids; predicted MW: 56.06 KD×2 (dimer); 13 cysteines (6 in Fc); 4 N-link glycosylation sites, MW increase up to 20 KD×2 (dimer)). |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | B7-H1 is a third member of the B7 family. It co-stimulates T-cell proliferation and interleukin-10 secretion. CD274 (Cluster of Differentiation 274) also known as PD-L1 (Programed Death Ligand-1) or B7-H1 is a protein which in humans is encoded by the CD274 gene.                                               |
| <b>Purity</b>           | > 90 %                                                                                                                                                                                                                                                                                                                |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                                                                                             |
| <b>Storage</b>          | At -70 centigrade.                                                                                                                                                                                                                                                                                                    |
| <b>Conjugation</b>      | Alexa Fluor 488                                                                                                                                                                                                                                                                                                       |

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**GENE INFORMATION**

|                        |                                                                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CD274 CD274 molecule [ Homo sapiens ]                                                                                                                                                                                                                   |
| <b>Official Symbol</b> | CD274                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | CD274; CD274 molecule; B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1; MGC142294; MGC142296; programmed cell death 1 ligand 1; CD274 antigen; Programmed cell death 1 ligand 1; Programmed death ligand 1; PDCD1 ligand 1; B7 homolog 1; OTTHUMP00000021029 |
| <b>Gene ID</b>         | 29126                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_014143                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_054862                                                                                                                                                                                                                                               |
| <b>MIM</b>             | 605402                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | Q9NZQ7                                                                                                                                                                                                                                                  |

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