

Recombinant Human CD276 Protein, His-tagged, Alexa Fluor 488 conjugated

Cat. No. CD276-3884HAF488 Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Alexa Fluor 488 conjugated recombinant human CD276 (Gly27-Thr461) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293). |
| Species | Human |
| Source | HEK293 |
| ProteinLength | Gly27-Thr461 |
| Description | Human B7 homolog 3 (B7-H3) is a member of the B7 family of immune proteins that provide signals for the regulation of immune responses. Other family members include B7-1, B7-2, B7-H1/PD-L1, B7-H2, and PD-L2. B7 family proteins are type I transmembrane immunoglobulin (Ig) superfamily members that contain extracellular Ig V-like and Ig C-like domains with a short cytoplasmic tail. Termed 4IgB7-H3 or B7-H3b, this molecule has two additional Ig-like domains (one V-type and one C-type) and shows a ubiquitous expression pattern. |
| Form | Lyophilized |
| Molecular Mass | The protein has a calculated MW of 48.5 kDa. The protein migrates as 65-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| N-terminal Sequence Analysis | Gly 27 |

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|-----------------------|--|
| Endotoxin | < 1.0 EU/ µg by the LAL method. |
| Purity | > 95 % as determined by SDS-PAGE |
| Characteristic | Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Storage | For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. |
| Storage Buffer | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| Conjugation | Alexa Fluor 488 |

GENE INFORMATION

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| Gene Name | CD276 |
| Official Symbol | CD276 |
| Synonyms | CD276; CD276 molecule; CD276 antigen; B7 H3; B7H3; B7RP 2; B7 homolog 3; |

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costimulatory molecule; B7-H3; B7RP-2; 4lg-B7-H3

Gene ID

80381

mRNA Refseq

NM_001024736

Protein Refseq


NP_001019907

MIM

605715

UniProt ID

Q5ZPR3

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