

# Active Recombinant Human CD276 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** CD276-756HAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                  |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 647 conjugated recombinant human CD276 (Accession # NP_079516), fused with , was produced in Mouse myeloma cell line, NS0-derived.                                                                                   |
| <b>Species</b>                      | Human                                                                                                                                                                                                                            |
| <b>Source</b>                       | Mammalian Cells                                                                                                                                                                                                                  |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                      |
| <b>Bio-activity</b>                 | Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells. The ED50 for this effect is typically 3-12 µg/mL. Optimal dilutions should be determined by each laboratory for each application. |
| <b>Molecular Mass</b>               | Recombinant Human CD276, Fc Chimera has a calculated MW of 50 kDa (monomer). In SDS-PAGE migrates as 70-80 kDa, reducing conditions.                                                                                             |
| <b>N-terminal Sequence Analysis</b> | Leu 29                                                                                                                                                                                                                           |
| <b>Purity</b>                       | > 95 % by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                     |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm                                                                                                                                     |

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|                       |                                                                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | Emission = 668 nm                                                                                                                                                                                               |
| <b>Storage</b>        | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade). |
| <b>Concentration</b>  | 100 µg/mL                                                                                                                                                                                                       |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                             |
| <b>Reconstitution</b> | Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.                                                                                                                |
| <b>Conjugation</b>    | Alexa Fluor 647                                                                                                                                                                                                 |

## GENE INFORMATION

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CD276 CD276 molecule [ Homo sapiens ]                                                                                      |
| <b>Official Symbol</b> | CD276                                                                                                                      |
| <b>Synonyms</b>        | CD276; CD276 molecule; CD276 antigen; B7 H3; B7H3; B7RP 2; B7 homolog 3; costimulatory molecule; B7-H3; B7RP-2; 4lg-B7-H3; |
| <b>Gene ID</b>         | 80381                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_001024736                                                                                                               |
| <b>Protein Refseq</b>  | NP_001019907                                                                                                               |
| <b>MIM</b>             | 605715                                                                                                                     |

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UniProt ID

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