

Active Recombinant Human CD276 Protein, Fc-tagged, Alexa Fluor 555 conjugated

Cat. No. CD276-756HAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 conjugated recombinant human CD276 (Accession # NP_079516), fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Form	Lyophilized
Bio-activity	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.
Molecular Mass	Recombinant Human CD276, Fc Chimera has a calculated MW of 50 kDa (monomer). In SDS-PAGE migrates as 70-80 kDa, reducing conditions.
N-terminal Sequence Analysis	Leu 29
Purity	> 95 % by SDS-PAGE under reducing conditions and visualized by silver stain.
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be

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efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

Storage 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).

Concentration 100 µg/mL

Storage Buffer Lyophilized from a 0.2 µm filtered solution in PBS.

Reconstitution Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

Conjugation Alexa Fluor 555

GENE INFORMATION

Gene Name [CD276 CD276 molecule \[Homo sapiens \]](#)

Official Symbol [CD276](#)

Synonyms CD276; CD276 molecule; CD276 antigen; B7 H3; B7H3; B7RP 2; B7 homolog 3; costimulatory molecule; B7-H3; B7RP-2; 4lg-B7-H3;

Gene ID [80381](#)

mRNA Refseq [NM_001024736](#)

Protein Refseq [NP_001019907](#)

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MIM	605715
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UniProt ID	Q5ZPR3
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