

Recombinant Mouse CD276 Protein

Cat. No. CD276-601M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD276 protein without tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	316
Description	Enables identical protein binding activity and signaling receptor binding activity. Acts upstream of or within several processes, including positive regulation of osteoblast differentiation; regulation of T cell proliferation; and regulation of cytokine production. Located in external side of plasma membrane. Is expressed in several structures, including embryo endoderm; genitourinary system; hemolymphoid system; liver; and musculoskeletal system. Orthologous to human CD276 (CD276 molecule).
Form	Lyophilized
Molecular Mass	25.4 kDa
AA Sequence	MLRGWGGPSVGVCVRTALGVLCLCLTGAVEVQVSEDPVVALVDTDATLRCSFSPE PGFSLAQLNLIWQLTDTKQLVHSFTEGRDQGSAYSNRTALFPDLLVQGNASRLQR VRVTDEGSYTCFVSIQDFDAAVSLQVAAPYSKPSMTLEPNKDLRPGNMVTITCSSY QGYPEAEVFWKDGQGVPLTGNVTTSQMANERGLFDVHSVLRVVLGANGTYSCLVR NPVLQQDAHGSVTITGQPLTFPPEALWVTVGLSVCLVLLVALAFVCWRKIKQSCEE ENAGAEDQDGDGEGSKTALRPLKPSENKEDDGQEIA

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Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	Cd276 CD276 antigen [Mus musculus (house mouse)]
Official Symbol	CD276
Synonyms	CD276; CD276 antigen; B7-H3; B7 homolog 3; costimulatory molecule; B7h3; B7RP-2; AU016588; 6030411F23Rik;
Gene ID	102657
mRNA Refseq	NM_133983

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Protein Refseq	NP_598744
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UniProt ID	Q8VE98
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