Active Recombinant Human CD276, HIgG1 Fc-tagged

Cat. No. CD276-2002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human B7-H3 (NP_079516.1) (Leu29-Pro245) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	29-245 a.a.
Description	The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in theregulation of T-cell-mediated immune response. Studies show that while the transcript of this gene isubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumortissues. Additionally, it was observed that the 3" UTR of this transcript contains a target site for miR29microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggestingregulation of expression of this gene product by miR29. Alternatively spliced transcript variants encodingdifferent isoforms have been found for this gene.
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells.
Molecular Mass	49KDa (monomer)

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AA Sequence	Leu29-Pro245
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

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; 4Ig-B7-H3;
Gene ID	80381
mRNA Refseq	NM_001024736
Protein Refseq	NP_001019907
MIM	605715
UniProt ID	Q5ZPR3

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Chromosome Location	15q23-q24
Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem;
Function	protein binding; receptor binding;

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