

Biotin Conjugated Anti-Human CD276 Antibody [PSH05-93] - Detector HA722588B



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	ELISA(Det), ELISA
Molecular Wt:	Predicted band size: 57 kDa
Clone number:	PSH05-93

Description: May participate in the regulation of T-cell-mediated immune response. May play a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. May be involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. Could also play a key role in providing the placenta and fetus with a suitable immunological environment throughout pregnancy. Both isoform 1 and isoform 2 appear to be redundant in their ability to modulate CD4 T-cell responses. Isoform 2 is shown to enhance the induction of cytotoxic T-cells and selectively stimulates interferon gamma production in the presence of T-cell receptor signaling. B7-H3 locus underwent genomic duplication leading to tandemly repeated immunoglobulin-like V and C domains (VC domains). The dominantly expressed human B7-H3 isoform contains tandemly duplicated VC domains. In contrast, mouse B7-H3 transcript contains only one single VC domain form due to an exon structure corresponding to V domain-(pseudoexon C)-(pseudoexon V)-C domain. This duplication appearing in primates is suggested to be very recent supporting a model of multiple independent emergence of tandem VC repeats within human and monkey species.

Conjugate:	Biotin-conjugated
Immunogen:	Recombinant protein within Human CD276 aa 29-466 (HA210964).
Positive control:	Recombinant Human CD276 protein (HA210964).
Subcellular location:	Membrane.
Database links:	SwissProt: Q5ZPR3 Human
Recommended Dilutions:	
ELISA(Det)	Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH05-92] to Human CD276 (Capture) (HA722491) and Recombinant Human CD276 protein (HA210964) as the standard. The reference range value is 30.9-2500 pg/ml.
ELISA	Use at an assay dependent concentration.
Storage Buffer:	PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% ProClin300.
Storage Instruction:	Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.
Purity:	Protein A affinity purified.

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Technical:0086-571-89986345

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Chapoval A.I., Ni J., Lau J.S., Wilcox R.A., Flies D.B., Liu D., Dong H., Sica G.L., Zhu G., Chen L. B7-H3: a costimulatory molecule for T cell activation and IFN-gamma production. *Nat. Immunol.* 2:269-274 (2001)
2. Ling V., Wu P.W., Spaulding V., Kieleczawa J., Luxenberg D., Carreno B.M., Collins M. Duplication of primate and rodent B7-H3 immunoglobulin V- and C-like domains: divergent history of functional redundancy and exon loss. *Genomics* 82:365-377 (2003)

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