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Goat Anti-B7-H3 / CD276 Antibody (C Terminus)

Purified Goat Polyclonal Antibody
Catalog # AF4309a

Product Information

Application	WB, E
Primary Accession	Q5ZPR3
Other Accession	NP_001019907.1, NP_079516.1, 80381
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	57235

Additional Information

Gene ID	80381
Other Names	CD276; CD276 molecule; 4Ig-B7-H3; B7-H3; B7H3; B7RP-2; B7 homolog 3; costimulatory molecule
Dilution	WB~~1:1000 E~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Immunogen	Peptide with sequence C-KHSDSKEDDGQE, from the C Terminus of the protein sequence according to NP_001019907.1; NP_079516.1.
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat Anti-B7-H3 / CD276 Antibody (C Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

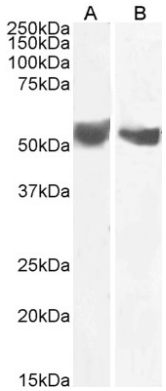
Name	CD276
Synonyms	B7H3
Function	May participate in the regulation of T-cell-mediated immune response. May play a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. May be involved in the development of acute 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.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Ubiquitous but not detectable in peripheral blood lymphocytes or granulocytes. Weakly expressed in resting monocytes Expressed in dendritic cells derived from monocytes. Expressed in epithelial cells of sinonasal tissue. Expressed in extravillous trophoblast cells and Hofbauer cells of the first trimester placenta and term placenta.

References

Chen JT, Chen CH, Ku KL, Hsiao M, Chiang CP, Hsu TL, Chen MH, Wong CH.

Images



AF4309a (0.1 µg/ml) staining of Human Placenta (A) and (2ug/ml) Testes (B) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.