

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

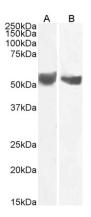
Tissue Location

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.