

**CD276 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12782b****Specification**

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**CD276 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q5ZPR3](#)**CD276 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 80381**Other Names**

CD276 antigen, 4Ig-B7-H3, B7 homolog 3, B7-H3, Costimulatory molecule, CD276, CD276, B7H3

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CD276 Antibody (C-term) Blocking peptide - 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.

### **CD276 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **CD276 Antibody (C-term) Blocking peptide - Images**

### **CD276 Antibody (C-term) Blocking peptide - Background**

Costimulatory B7 molecules (e.g., B7-1, or CD80; MIM112203) signal through CD28 (MIM 186760) family molecules such as CD28, CTLA4 (MIM 123890), and ICOS (MIM 604558).

### **CD276 Antibody (C-term) Blocking peptide - References**

Zhang, G., et al. J. Immunol. 185(6):3677-3684(2010) Sun, J., et al. Cancer Immunol. Immunother. 59(8):1163-1171(2010) Leitner, J., et al. Eur. J. Immunol. 39(7):1754-1764(2009) Sugamata, R., et al. J. Immunol. 182(11):6799-6806(2009) Loos, M., et al. BMC Cancer 9, 463 (2009) :