

**CD276 / B7-H3 Antibody (clone MIH42)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS12348****Specification**

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**CD276 / B7-H3 Antibody (clone MIH42) - Product Information**

Application	IHC
Primary Accession	<a href="#">Q5ZPR3</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	57kDa KDa

**CD276 / B7-H3 Antibody (clone MIH42) - Additional Information****Gene ID** 80381**Other Names**

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

**Target/Specificity**

Detects CD276, a member of the B7 family of co-stimulatory molecules also known as B7-H3. CD276 is a type I transmembrane protein that induces the proliferation of CD4+ and CD8+ T cells, enhances the generation of cytotoxic T cells and selectively st ...

**Reconstitution & Storage**

+4°C or -20°C, Avoid repeated freezing and thawing.

**Precautions**

CD276 / B7-H3 Antibody (clone MIH42) is for research use only and not for use in diagnostic or therapeutic procedures.

**CD276 / B7-H3 Antibody (clone MIH42) - 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.

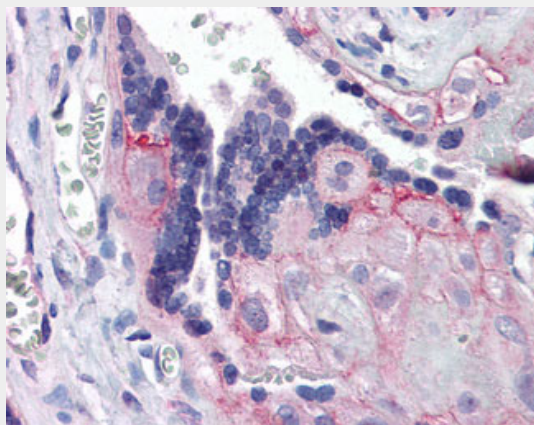
**Volume**

Array

**CD276 / B7-H3 Antibody (clone MIH42) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CD276 / B7-H3 Antibody (clone MIH42) - Images**

Anti-B7-H3 antibody IHC of human placenta.

**CD276 / B7-H3 Antibody (clone MIH42) - Background**

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**CD276 / B7-H3 Antibody (clone MIH42) - References**

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