

## ARG41889 anti-CD276 / B7-H3 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CD276 / B7-H3
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD276 / B7-H3
Species	Human
Immunogen	Synthetic peptide within aa. 100-200 of Human CD276 / B7-H3. (NP_001019907.1)
Conjugation	Un-conjugated
Alternate Names	B7-H3; B7 homolog 3; B7H3; 4lg-B7-H3; B7RP-2; Costimulatory molecule; CD antigen CD276; CD276 antigen

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U-87MG	
Observed Size	~ 110 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

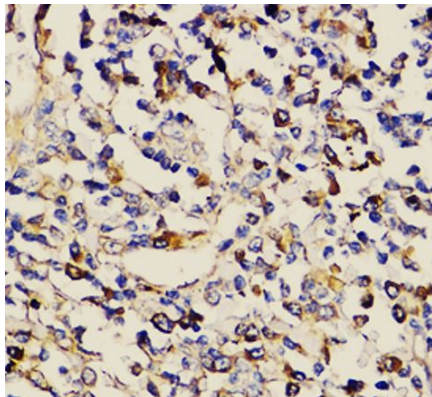
## Bioinformation

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Gene Symbol	CD276
Gene Full Name	CD276 molecule
Background	The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
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. [UniProt]
Highlight	Related products: <a href="#">CD276 antibodies</a> ; <a href="#">Anti-Rabbit IgG secondary antibodies</a> ; Related news: <a href="#">Examining CTL/NK-mediated cytotoxicity by ELISA</a>
Calculated Mw	57 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

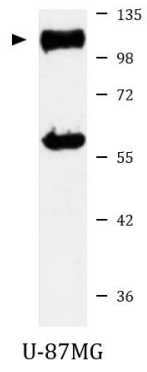
## Images

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ARG41889 anti-CD276 / B7-H3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue stained with ARG41889 anti-CD276 / B7-H3 antibody 1:150 dilution.



ARG41889 anti-CD276 / B7-H3 antibody WB image

Western blot: 25 µg of U-87MG cell lysate stained with ARG41889 anti-CD276 / B7-H3 antibody at 1:3000 dilution.