

Mouse anti-Human CD276 Monoclonal Antibody | anti-CD276 antibody

CD276 Antibody

CATALOG # AAA290919	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

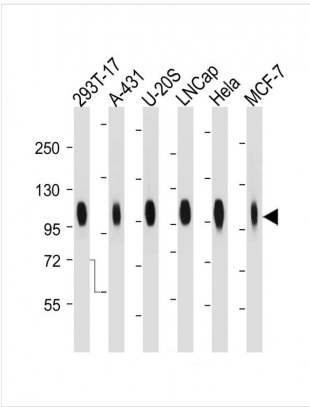
CD276; Monoclonal Antibody; CD276 Antibody; CD276 antigen; 4lg-B7-H3; B7 homolog 3; B7-H3; Costimulatory molecule; B7H3; anti-CD276 antibody

PRODUCT SPECIFICATIONS

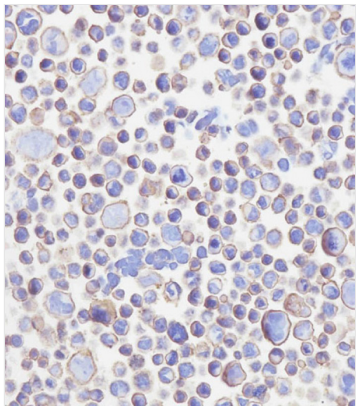
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	2009CT652.35.9
Specificity	This CD276 antibody is generated from a mouse immunized with a recombinant protein from the human region of human CD276.
Purity/Purification	Purified through a protein G column, followed by dialysis against PBS.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	534
Applicable Applications for anti-CD276 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Antigen Source	Human
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.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



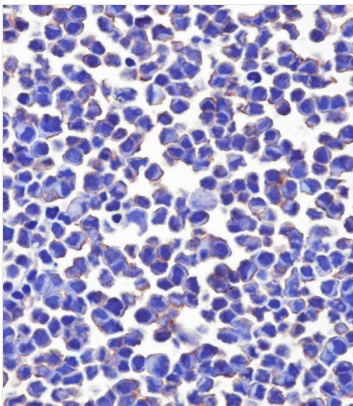
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Human tonsil section using Pink1(AAA290919). AAA290919 was diluted at 1:400 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



WB (Western Blot)
Dilution: WB - 1:4000All lanes: Anti-CD276 Antibody at 1:4000 dilution Lane 1: 293T-17 whole cell lysate Lane 2: A-431 whole cell lysate Lane 3: U-20S whole cell lysate Lane 4: LNCap whole cell lysate Lane 5: HeLa whole cell lysate Lane 6: MCF-7 whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



IHC (Immunohiostchemistry)
Dilution: IHC-P - 1:500Immunohistochemical analysis of CD276 Antibody in 293T(untransfected) cell sections. Cell was fixed with formaldehyde and blocked with super block for 10 minutes at room temperature; antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
Dilution: IHC-P - 1:25Immunohistochemical analysis of CD276 Antibody in MCF-7 cell sections. Cell was fixed with formaldehyde and blocked with super block for 10 minutes at room temperature; antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody (1:25) for 1 hours at room temperature. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD276 antibody	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.
Product Categories/Family for anti-CD276 antibody	Stem Cells
References	Chapoval A.I.,et al.Nat. Immunol. 2:269-274(2001). Steinberger P.,et al.J. Immunol. 172:2352-2359(2004). Clark H.F.,et al.Genome Res. 13:2265-2270(2003). Ota T.,et al.Nat. Genet. 36:40-45(2004). Otsuki T.,et al.DNA Res. 12:117-126(2005).

NCBI AND UNIPROT INFORMATION

NCBI GI #	52694705
NCBI GeneID	80381
UniProt Accession #	Q5ZPR3
Molecular Weight	Calculated MW: 57235
NCBI Official Full Name	B7-H3 protein
NCBI Official Synonym Full Names	CD276 molecule
NCBI Official Symbol	CD276
NCBI Official Synonym Symbols	B7H3; B7-H3; B7RP-2; 4Ig-B7-H3
NCBI Protein Information	CD276 antigen
UniProt Protein Name	CD276 antigen
UniProt Gene Name	CD276
UniProt Synonym Gene Names	B7H3; B7-H3
UniProt Entry Name	CD276_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd276-antibody-clone-2009ct652-35-9-western-blot-immunohistochemistry-elisa/290919>