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**Product Name: CD276 Mouse Monoclonal Antibody****Catalog #: AMM86113**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IHC 1:100-1:500
<b>Molecular Weight</b>	57.2kDa

**Antigen Information**

<b>Gene Name</b>	CD276
<b>Alternative Names</b>	CD276 antigen, 4Ig-B7-H3, B7 homolog 3, B7-H3, Costimulatory molecule, CD276, CD276, B7H3
<b>Gene ID</b>	80381.0
<b>SwissProt ID</b>	Q5ZPR3
<b>Immunogen</b>	This CD276 antibody is generated from a mouse immunized with a recombinant protein from the human region of human CD276.

**Background**

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.

## Research Area

## Image Data

All lanes : Anti-CD276 Antibody at 1:4000 dilution

