

CD276 Monoclonal Antibody

Catalog No :	YM0115
Reactivity :	Human
Applications :	WB;IHC;IF;FCM;ELISA
Target :	CD276
Fields :	>>Cell adhesion molecules
Gene Name :	CD276
Protein Name :	CD276 antigen
Human Gene Id :	80381
Human Swiss Prot No :	Q5ZPR3
Mouse Swiss Prot No :	Q8VE98
Immunogen :	Purified recombinant fragment of human CD276 expressed in E. Coli.
Specificity :	CD276 Monoclonal Antibody detects endogenous levels of CD276 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000.. IF 1:50-200
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	100kd

Cell Pathway : Cell adhesion molecules (CAMs);

P References : 1. Genome Res. 2004 Oct;14(10B):2121-7.
2. Cell Mol Immunol. 2005 Aug;2(4):307-11.

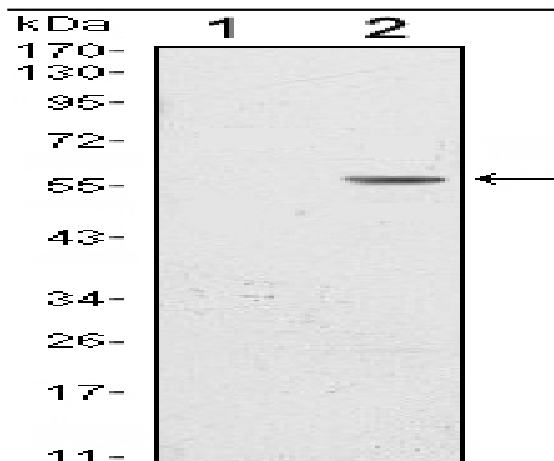
Background : The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially 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 : 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.,induction:By LPS in monocytes and by ionomycin in T and B lymphocytes. Up-regulated in cells mediating rejection of human tr

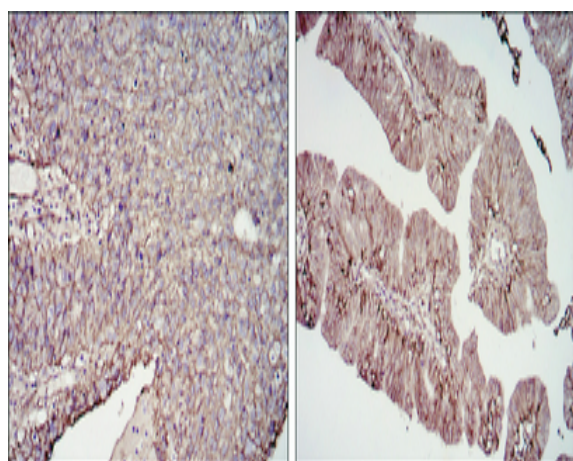
Subcellular Location : Membrane ; Single-pass type I membrane protein .

Expression : 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.

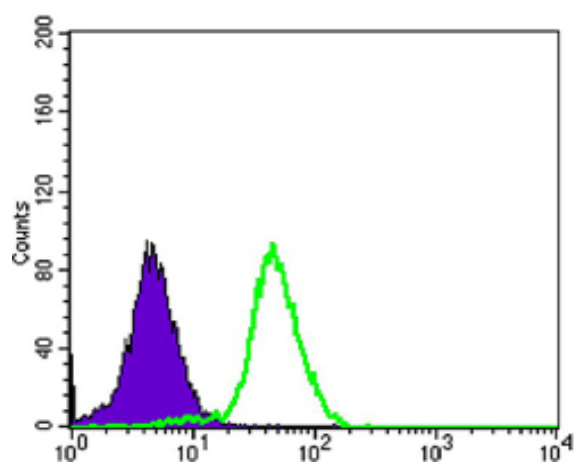
Products Images



Western Blot analysis using CD276 Monoclonal Antibody against HEK293 (1) and CD276-hlgGfC transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded cervical cancer tissues (left) and ovarian cancer tissues (right) with DAB staining using CD276 Monoclonal Antibody.



Flow cytometric analysis of PC-3 cells using CD276 Monoclonal Antibody (green) and negative control (purple).