Best Tools for immunology Research

CD276/B7H3 (PN0582) Nb-FC recombinant antibody

Catalog No :	YA0239
Reactivity :	Human
Applications :	ELISA
Target :	CD276/B7H3
Gene Name :	CD276 B7H3 PSEC0249 UNQ309/PRO352
Protein Name :	CD276 antigen (4Ig-B7-H3) (B7 homolog 3) (B7-H3) (Costimulatory molecule) (CD antigen CD276)
Human Gene Id :	80381
Human Swiss Prot No :	Q5ZPR3
Immunogen :	Purified recombinant Human CD276
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD276/B7H3 protein.
Formulation :	Phosphate-buffered solution
Source :	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Dilution :	ELISA 1:5000-100000
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Cell Pathway :	Cell adhesion molecules (CAMs);
Background :	The protein encoded byThis 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 ofThis 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 ofThis transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression ofThis protein and miR29 levels, suggesting regulation of expression ofThis gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found forThis 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.,induction:By LPS in monocytes and by ionomycin in T and B lymphocytes. Up-regulated in cells mediating rejection of human transplants

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.

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