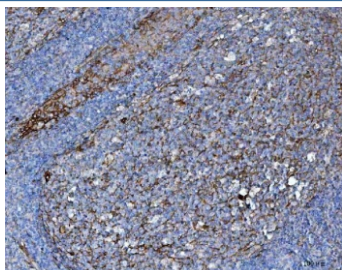


B7-H3 Antibody / CD276 (RQ7825)

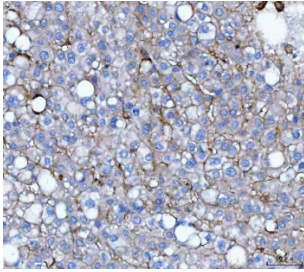
Catalog No.	Formulation	Size
RQ7825	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

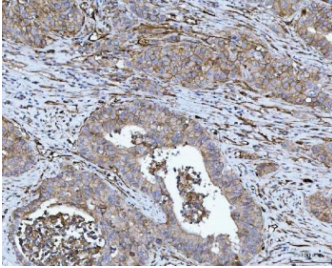
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q5ZPR3
Localization	Cytoplasm, Cell surface
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This B7-H3 antibody is available for research use only.



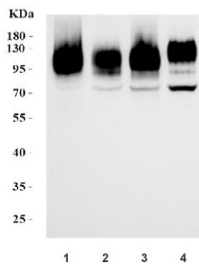
IHC staining of FFPE human tonsil tissue with B7-H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



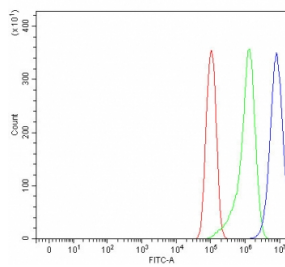
IHC staining of FFPE human liver cancer tissue with B7-H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human rectal cancer tissue with B7-H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) U-2 OS, 2) PC-3, 3) HeLa and 4) MCF7 cell lysate with B7-H3 antibody. Expected molecular weight: 57-110 kDa depending on level of glycosylation.



Flow cytometry testing of human PC-3 cells with B7-H3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= B7-H3 antibody.

Description

Cluster of Differentiation 276 (CD276) or B7 Homolog 3 (B7-H3) is a human protein encoded by the CD276 gene. 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.

Application Notes

Optimal dilution of the B7-H3 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids L29-Q458) was used as the immunogen for the B7-H3 antibody.

Storage

After reconstitution, the B7-H3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.