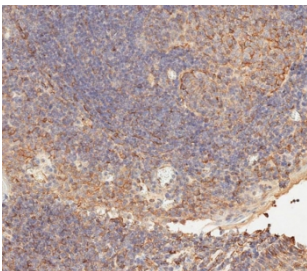


CD276 Antibody / B7-H3 (F54367)

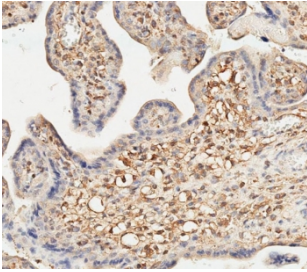
Catalog No.	Formulation	Size
F54367-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54367-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

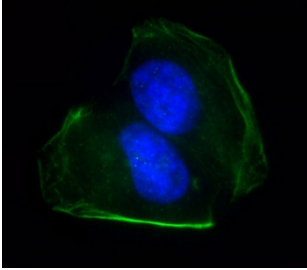
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
UniProt	Q5ZPR3
Localization	Cell membrane
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10 ⁶ cells) Immunofluorescence : 1:25 Immunohistochemistry (FFPE) : 1:25
Limitations	This CD276 antibody is available for research use only.



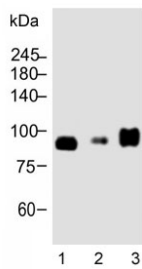
IHC testing of FFPE human tonsil tissue with CD276 antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



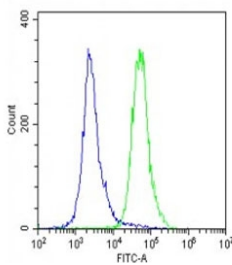
IHC testing of FFPE human placenta tissue with CD276 antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human U-2 OS cells with CD276 antibody (green) and DAPI nuclear stain (blue).



Western blot testing of human 1) LNCaP, 2) U-2 OS and 3) MCF7 cell lysate with CD276 antibody. Expected molecular weight: 57-110 kDa depending on level of glycosylation.



Flow cytometry testing of fixed and permeabilized human U-2 OS cells with CD276 antibody; Blue=isotype control, Green= CD276 antibody.

Description

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. [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the CD276 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 493-522 from the human protein was used as the immunogen for the CD276 antibody.

Storage

Aliquot the CD276 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.