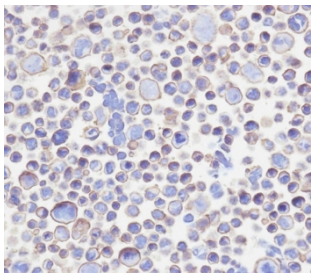
B7-H3 Antibody / CD276 [clone 2009CT652.35.9] (F54498)

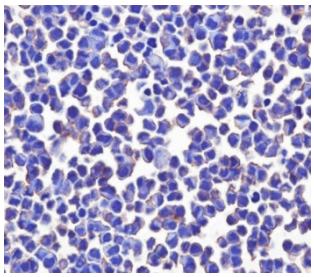
Catalog No.	Formulation	Size
F54498-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54498-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	IgG1, kappa
Clone Name	2009CT652.35.9
Purity	Protein G affinity
UniProt	Q5ZPR3
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:25 Immunocytochemistry: 1:50-1:100
Limitations	This B7-H3 antibody is available for research use only.



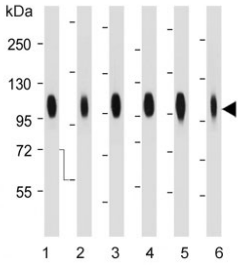
Immunocytochemical testing of PFA-fixed human 293T cells with B7-H3 antibody. HIER: pH9 EDTA.



Immunocytochemical testing of PFA-fixed human MCF7 cells with B7-H3 antibody. HIER: pH9 EDTA.



IHC testing of FFPE human tonsil tissue with B7-H3 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human 1) 293T, 2) A431, 3) U-2 OS, 4) LNCaP, 5) HeLa and 6) MCF7 cell lysate with B7-H3 antibody. Expected molecular weight: 57-110 kDa depending on level of glycosylation.

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the B7-H3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant human protein was used as the immunogen for the B7-H3 antibody.

Storage

Aliquot the B7-H3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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