

For Research Use Only

B7-H3 Monoclonal antibody, PBS Only



Catalog Number: 66481-1-PBS

Featured Product

Basic Information

Catalog Number:

66481-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6006

GenBank Accession Number:

BC062581

GeneID (NCBI):

80381

UNIPROT ID:

Q5ZPR3

Full Name:

CD276 molecule

Calculated MW:

57 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

1E7D1

Applications

Tested Applications:

WB, IF, IHC, Indirect ELISA

Species Specificity:

Human, Pig

Background Information

B7-H3 (CD276) is a type I transmembrane protein expressed on many tissues and cell types. B7-H3 is a 100-kDa glycoprotein that belongs to the B7 immunoregulatory family and participates in the regulation of T-cell-mediated immune response probably by functioning as both a T cell costimulator and coinhibitor (PMID: 25567370; 20696859). Overexpressed on a wide range of human solid cancers, B7-H3 has been implicated in cancer progression and metastasis and becomes an attractive target for cancer immunotherapy (PMID: 27208063).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

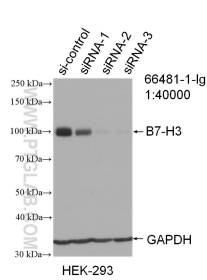
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

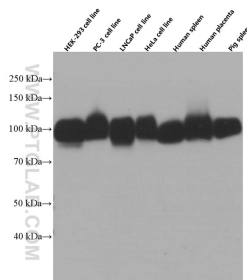
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

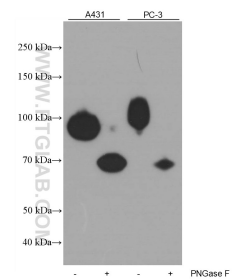
Selected Validation Data



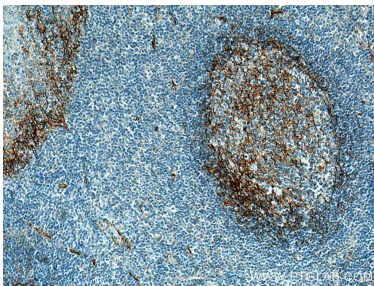
WB result of B7-H3/CD276 antibody (66481-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with normal HEK-293 (sh-control) and three independent sh-B7-H3 transfected HEK-293 cells. This data was developed using the same antibody clone with 66481-1-PBS in a different storage buffer formulation.



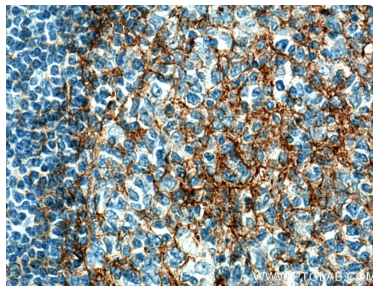
HEK-293, PC-3, LNCaP, HeLa cells, and human spleen, human placenta, pig spleen tissues were subjected to SDS PAGE followed by western blot with 66481-1-Ig (B7-H3/CD276 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66481-1-PBS in a different storage buffer formulation.



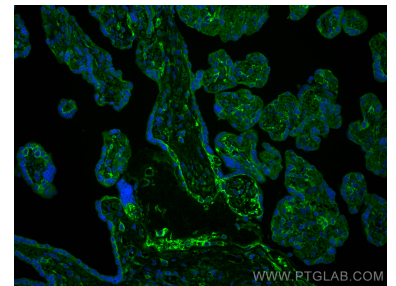
Untreated and PNGase F-treated lysates of A431 cells and PC-3 cells were subjected to SDS PAGE followed by western blot with 66481-1-Ig (B7-H3/CD276 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808). This data was developed using the same antibody clone with 66481-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66481-1-Ig (B7-H3/CD276 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66481-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66481-1-Ig (B7-H3/CD276 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66481-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using B7-H3/CD276 antibody (66481-1-Ig, Clone: 1E7D1) at dilution of 1:400 and CoralLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66481-1-PBS in a different storage buffer formulation.