

For Research Use Only

CD151 Monoclonal antibody

Catalog Number: 66567-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number:

66567-1-Ig

GenBank Accession Number:

BC001374

Purification Method:

Protein A purification

Size:

150ul, Concentration: 1792 ug/ml by 977
Nanodrop and 1000 ug/ml by Bradford
method using BSA as the standard;

GeneID (NCBI):

977

CloneNo.:

2A8G8

Source:

Mouse

UNIPROT ID:

P48509

Recommended Dilutions:

WB 1:5000-1:50000

Isotype:

IgG2b

Full Name:

CD151 molecule (Raph blood group)

IP 0.5-4.0 ug for 1.0-3.0 mg of total

protein lysate

IHC 1:200-1:800

IF-P 1:200-1:800

Immunogen Catalog Number:

AG25985

Calculated MW:

28 kDa

Observed MW:

28 kDa

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : unboiled A431 cells, 37°C incubated A549 cells,
unboiled human placenta tissue

IP : human placenta tissue,

IHC : human tonsillitis tissue,

IF-P : human tonsillitis tissue,

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Background Information

CD151 (also known as TSPAN24) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are involved in the regulation of cell development, activation, growth and motility. CD151 is broadly expressed by a variety of cell types. It is involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. CD151 enhances cell motility, invasion and metastasis of cancer cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Anders Karlsten	35198892	iScience	IF
Zhiyin Wang	33450381	Free Radic Biol Med	WB,IF
Susan D Reynolds	39485996	Stem Cells Transl Med	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

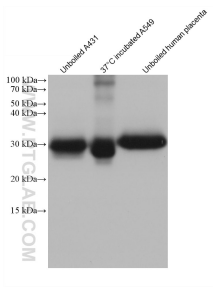
For technical support and original validation data for this product please contact:

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

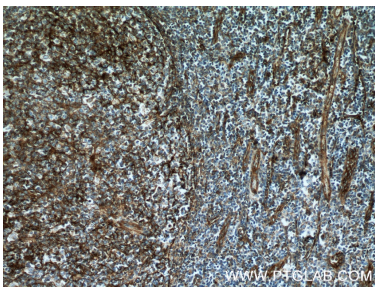
E: proteintech@ptglab.com
W: ptglab.com

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

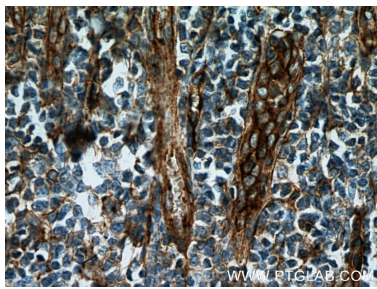
Selected Validation Data



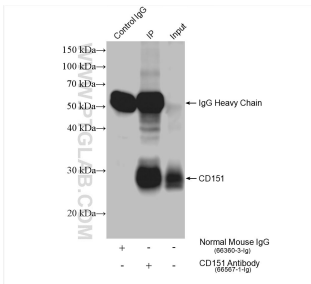
Various lysates were subjected to SDS PAGE followed by western blot with 66567-1-Ig (CD151 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



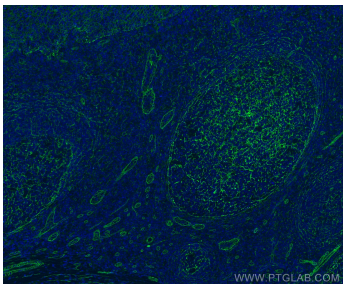
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66567-1-Ig (CD151 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66567-1-Ig (CD151 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-CD151 (IP:66567-1-Ig, 4ug; Detection:66567-1-Ig 1:2000) with human placenta tissue lysate 960 ug.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CD151 antibody (66567-1-Ig, Clone: 2A8G8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).