

# CD151 Monoclonal antibody

Catalog Number: 66567-1-Ig

Featured Product

2 Publications

## Basic Information

## Catalog Number:

66567-1-Ig

## Size:

1000 µg/ml

## Source:

Mouse

## Isotype:

IgG2b

## Immunogen Catalog Number:

AG25985

## GenBank Accession Number:

BC001374

## GeneID (NCBI):

977

## UNIPROT ID:

P48509

## Full Name:

CD151 molecule (Raph blood group)

## Calculated MW:

28 kDa

## Observed MW:

28 kDa

## Purification Method:

Protein A purification

## CloneNo.:

2A8G8

## Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

## Applications

## Tested Applications:

FC, IHC, IP, WB, ELISA

## Cited Applications:

IF, WB

## Species Specificity:

Human

## Cited Species:

human

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

## Positive Controls:

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

**IP** : human placenta tissue,

**IHC** : human tonsillitis tissue,

## 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 Karlsen	35198892	iScience	IF
Zhiyin Wang	33450381	Free Radic Biol Med	WB, IF

## Storage

## Storage:

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

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

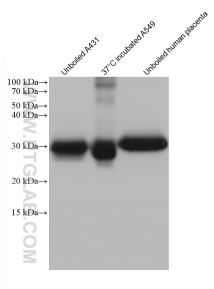
For technical support and original validation data for this product please contact:

T: 4006900926

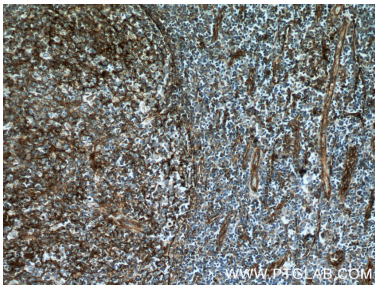
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

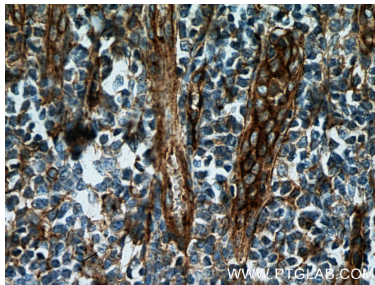
Selected Validation Data



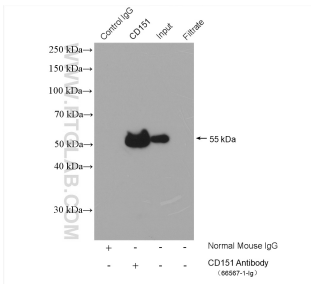
Various lysates were subjected to SDS PAGE followed by western blot with 66567-1-Ig (CD151 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



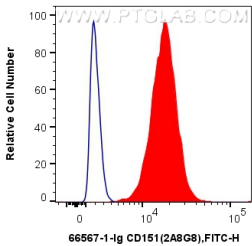
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66567-1-Ig (CD151 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 1:10000) with human placenta tissue lysate 800 ug.



1X10<sup>6</sup> A549 cells were intracellularly stained with 0.4 ug Anti-Human CD151 (66567-1-Ig, Clone:2A8G8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).