For Research Use Only

CD151 Monoclonal antibody, PBS Only (Capture)

Catalog Number:66567-1-PBS Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66567-1-PBS

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

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

Applications

Tested Applications:
WB, IHC, IF-P, IP, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

66567-1-PBS targets CD151 as part of a matched antibody pair:

MP50304-1: 66567-1-PBS capture and 66567-2-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

Background Information

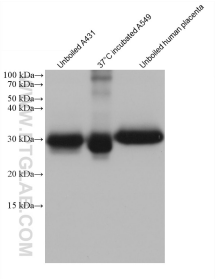
CD151 (also known as TSPAN24) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are involved in the regulation of cell development, activation, growth and motility. CD151 is broadly expressed by 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.

Storage

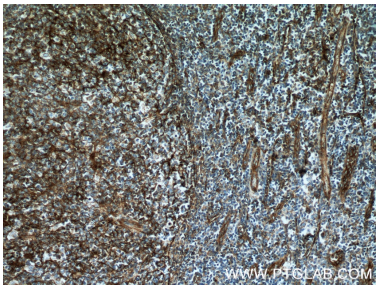
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

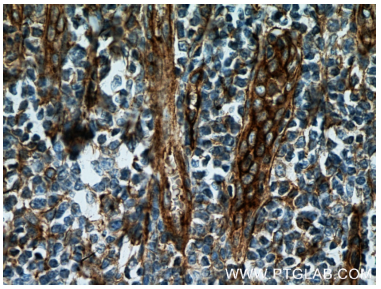
Selected Validation Data



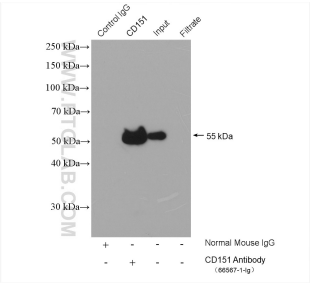
Various lysates were subjected to SDS PAGE followed by western blot with 66567-1-Ig (CD151 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66567-1-PBS in a different storage buffer formulation.



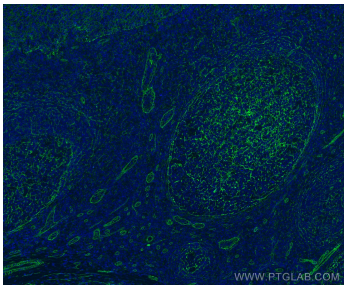
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66567-1-Ig (CD151 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66567-1-PBS in a different storage buffer formulation.



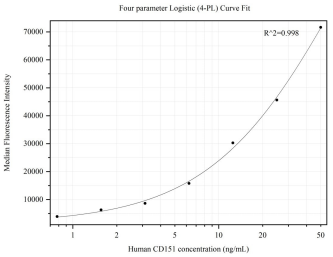
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66567-1-Ig (CD151 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66567-1-PBS in a different storage buffer formulation.



IP result of anti-CD151 (IP:66567-1-Ig, 4ug; Detection:66567-1-Ig 1:10000) with human placenta tissue lysate 800 ug. This data was developed using the same antibody clone with 66567-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66567-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50304-1, CD151 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66567-1-PBS. Detection antibody: 66567-2-PBS. Standard:Ag25985. Range: 0.781-50 ng/mL.