

For Research Use Only

CD63 Monoclonal antibody, PBS Only



Catalog Number: 67605-1-PBS

Basic Information

| | | |
|---|--|---|
| Catalog Number: 67605-1-PBS | GenBank Accession Number: BC002349 | Purification Method: Protein A purification |
| Size: 1 mg/ml | GeneID (NCBI): 967 | CloneNo.: 3D4D1 |
| Source: Mouse | UNIPROT ID: P08962 | |
| Isotype: IgG1 | Full Name: CD63 molecule | |
| Immunogen Catalog Number: AG19690 | Calculated MW: 26 kDa | |
| | Observed MW: 35 kDa | |

Applications

Tested Applications:
WB,IHC,IF,FC,ELISA

Species Specificity:
Human

Background Information

CD63 is a 30-60 kDa lysosomal membrane protein that belongs to the tetraspanin family. This protein plays many important roles in immuno-physiological functions. It mediates signal transduction events that play a role in the regulation of cell development, activation and motility. CD63 is expressed on activated platelets, thus it may function as a blood platelet activation marker. CD63 is a lysosomal membrane glycoprotein that is translocated to plasma membrane after platelet activation. The CD63 tetraspanin is highly expressed in the early stages of melanoma and decreases in advanced lesions, suggesting it as a possible suppressor of tumor progression. Deficiency of this protein is associated with Hermansky-Pudlak syndrome.

Storage

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

Storage Buffer:
PBS only

Aliquoting is unnecessary for -20°C storage

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

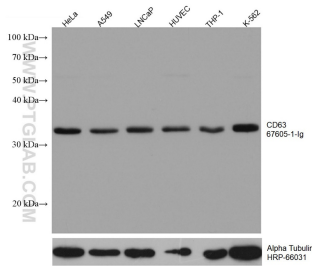
T: 4006900926

E: Proteintech-CN@ptglab.com

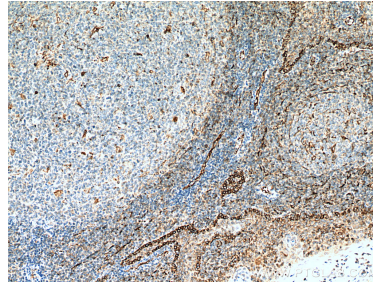
W: ptgcn.com

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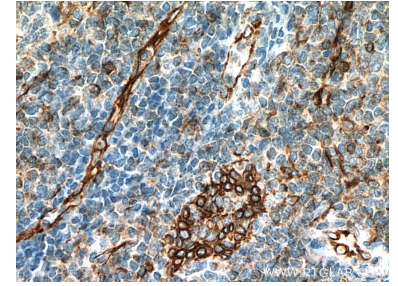
Selected Validation Data



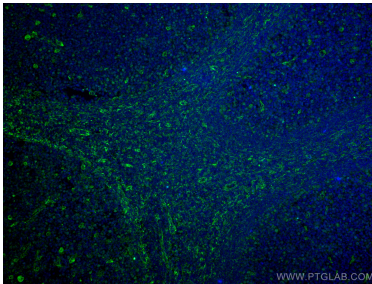
Various lysates were subjected to SDS PAGE followed by western blot with 67605-1-Ig (CD63 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 67605-1-PBS in a different storage buffer formulation.



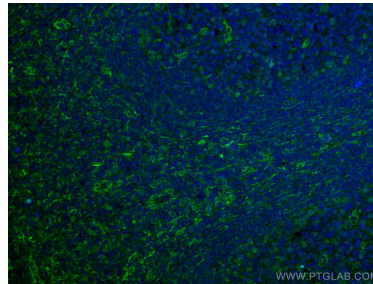
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67605-1-Ig (CD63 antibody) at dilution of 1:700 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67605-1-PBS in a different storage buffer formulation.



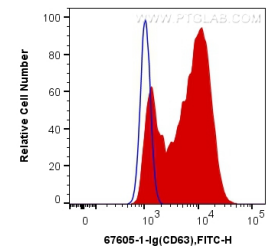
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67605-1-Ig (CD63 antibody) at dilution of 1:700 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67605-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD63 antibody (67605-1-Ig, Clone: 3D4D1) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67605-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD63 antibody (67605-1-Ig, Clone: 3D4D1) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67605-1-PBS in a different storage buffer formulation.



1×10^6 THP-1 cells were surface stained with 0.4 ug Anti-Human CD63 (67605-1-Ig, Clone:3D4D1) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were not fixed. This data was developed using the same antibody clone with 67605-1-PBS in a different storage buffer formulation.