

For Research Use Only

CD59 Monoclonal antibody

Catalog Number: 68222-1-Ig

Featured Product



Basic Information

Catalog Number:

68222-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG32834

GenBank Accession Number:

BC001506

GeneID (NCBI):

966

UNIPROT ID:

P13987

Full Name:

CD59 molecule, complement regulatory protein

Calculated MW:

19 kDa

Observed MW:

18-25 kDa

Purification Method:

Protein A purification

CloneNo.:

1E3A1

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:500-1:2000

IF-P: 1:200-1:800

IF/ICC: 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, ELISA

Species Specificity:

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 : human colostrum, A549 cells, HeLa cells, human milk, MCF-7 cells, HepG2 cells, K-562 cells, Jurkat cells, human placenta tissue

IHC : human placenta tissue, human lung cancer tissue, human urothelial carcinoma tissue

IF-P : human placenta tissue,

IF/ICC : BxPC-3 cells,

Background Information

CD59, also named as MIC11, MIN1, MIN2, MIN3, MSK21, M1RL, MAC1F, HRF20 and 1F5 antigen, is a cell surface molecule glycoprotein with MW 18-25 kDa. It acts as a determinant of proximal-distal cell identity. CD59 acts by binding to the C8 and/or C9 complements of the assembling membrane attack complex (MAC), thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. It is involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

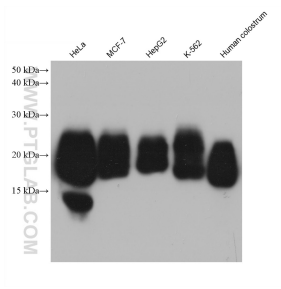
T: 4006900926

E: Proteintech-CN@ptglab.com

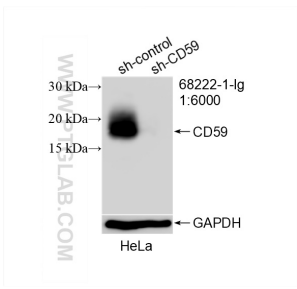
W: ptgcn.com

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

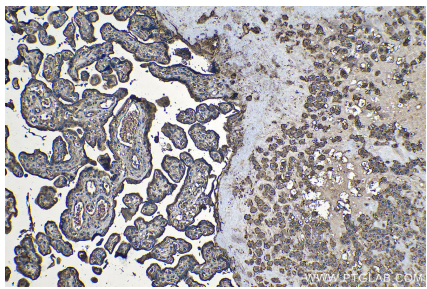
Selected Validation Data



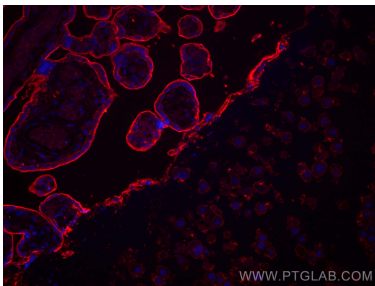
Various lysates were subjected to SDS PAGE followed by western blot with 68222-1-Ig (CD59 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



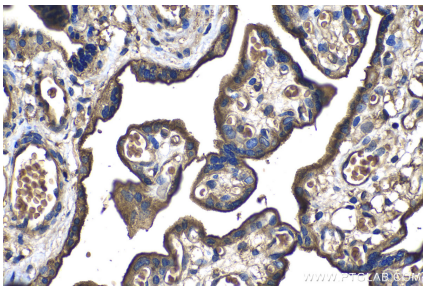
WB result of CD59 antibody (68222-1-Ig: 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD59 transfected HeLa cells.



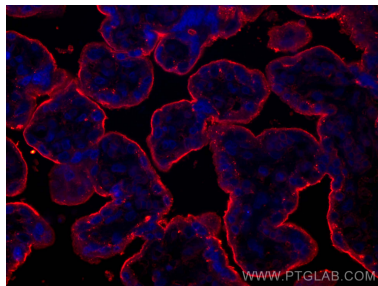
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 68222-1-Ig (CD59 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



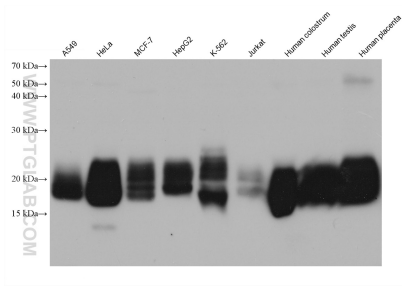
Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using CD59 antibody (68222-1-Ig, Clone: 1E3A1) at dilution of 1:400 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



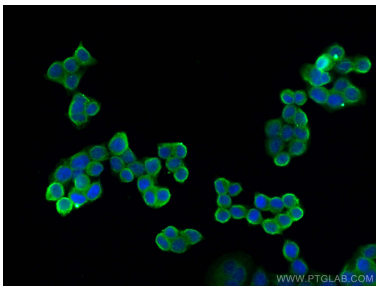
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 68222-1-Ig (CD59 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using CD59 antibody (68222-1-Ig, Clone: 1E3A1) at dilution of 1:400 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 68222-1-Ig (CD59 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed BxPC-3 cells using CD59 antibody (68222-1-Ig, Clone: 1E3A1) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).