

For Research Use Only

CoraLite® Plus 488-conjugated CD59 Monoclonal antibody



Catalog Number: **CL488-68222**

Basic Information

Catalog Number:

CL488-68222

Size:

1000 µg/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:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, IF-P

Species Specificity:

human

Positive Controls:

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

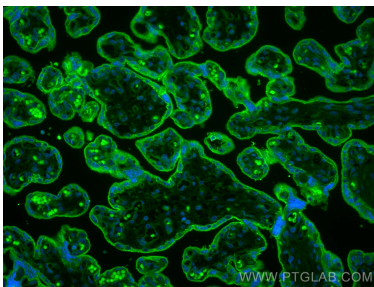
T: 4006900926

E: Proteintech-CN@ptglab.com

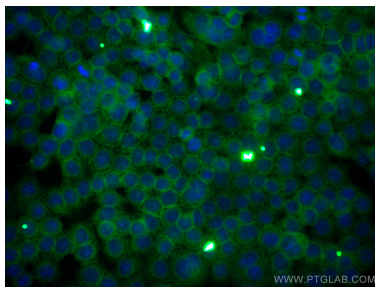
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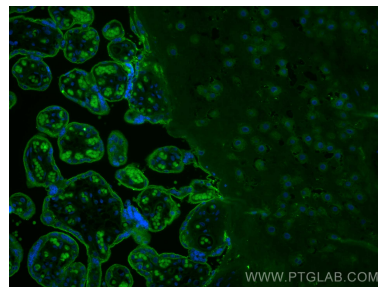
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using CoraLite® Plus 488 CD59 antibody (CL488-68222, Clone: 1E3A1) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Ethanol) fixed BxPC-3 cells using CoraLite® Plus 488 CD59 antibody (CL488-68222, Clone: 1E3A1) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using CoraLite® Plus 488 CD59 antibody (CL488-68222, Clone: 1E3A1) at dilution of 1:200.