

For Research Use Only

CoraLite® Plus 488-conjugated SERPINB9 Monoclonal antibody

Catalog Number: CL488-67950



Basic Information

Catalog Number:

CL488-67950

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6719

GenBank Accession Number:

BC002538

GeneID (NCBI):

5272

UNIPROT ID:

P50453

Full Name:

serpin peptidase inhibitor, clade B
(ovalbumin), member 9

Calculated MW:

42 kDa

Observed MW:

38 kDa

Purification Method:

Protein G purification

CloneNo.:

2H9D2

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells, C6 cells

Background Information

SERPINB9, also named as PI-9, belongs to the serpin family. SERPINB9 is an intracellular inhibitor of granzyme B (grB) that protects cytotoxic lymphocytes from grB-mediated death. It has a nucleo-cytoplasmic distribution and is produced in CD8+ T cells and natural killer cells (PMID: 28024184). Also, SERPINB9 is expressed by vascular SMCs and endothelial cells to avoid GZB-induced apoptosis (PMID: 28743062). The molecular weight of SERPINB9 is 42 kDa.

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

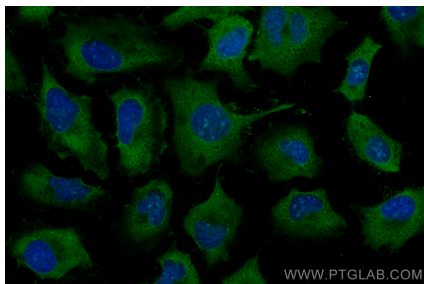
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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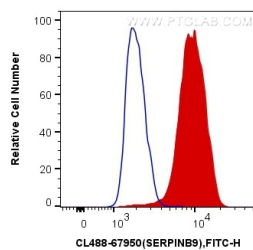
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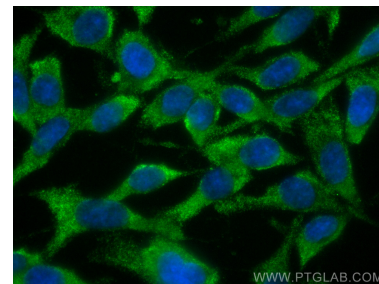
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 SERPINB9 antibody (CL488-67950, Clone: 2H9D2) at dilution of 1:200.



1X10⁶ K-562 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human SERPINB9 (CL488-67950, Clone:2H9D2) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed C6 cells using CoraLite® Plus 488 SERPINB9 antibody (CL488-67950, Clone: 2H9D2) at dilution of 1:200.