

For Research Use Only

CoraLite® Plus 488-conjugated SERPINB9 Monoclonal antibody



Catalog Number:CL488-67950

Basic Information

Catalog Number: CL488-67950	GenBank Accession Number: BC002538	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 5272	CloneNo.: 2H9D2
Source: Mouse	UNIPROT ID: P50453	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: serpin peptidase inhibitor, clade B (ovalbumin), member 9	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG6719	Calculated MW: 42 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human, mouse	

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 nucleocytoplasmic 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:

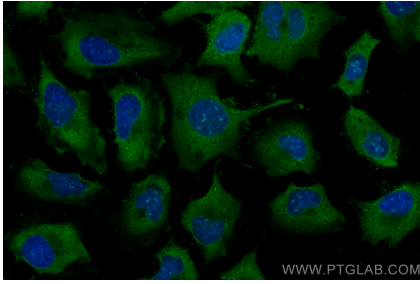
T: 4006900926

E: Proteintech-CN@ptglab.com

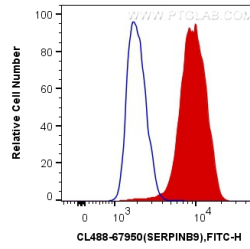
W: ptgcn.com

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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).