

For Research Use Only

CoraLite® Plus 488-conjugated Annexin A11 Monoclonal antibody

Catalog Number: CL488-68089



Basic Information

Catalog Number: CL488-68089	GenBank Accession Number: BC007564	Purification Method: Protein G purification
Concentration: 1000 ug/ml	GeneID (NCBI): 311	CloneNo.: 1A3C4
Source: Mouse	UNIPROT ID: P50995	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: annexin A11	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG31839	Calculated MW: 56 kDa	

Applications

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

Background Information

Annexin A11 (Anxa11) is one member of annexins that are Ca²⁺-regulated phospholipid-binding proteins. Annexin A11 plays an important role in cell division, differentiation, apoptosis, vesicle trafficking and Ca²⁺ signaling (PMID: 31610865). ANXA11, an RNA granule-associated phosphoinositide-binding protein, acts as a molecular tether between RNA granules and lysosomes (PMID: 31539493). Annexin A11 dysregulation is involved in the progression, drug-resistance, recurrence of systemic autoimmune disease and cancer. Annexin A11, is involved in a variety of cellular functions including mRNA transport and translation, endocytosis, exocytosis, and plasma membrane repair (PMID: 38896345).

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:

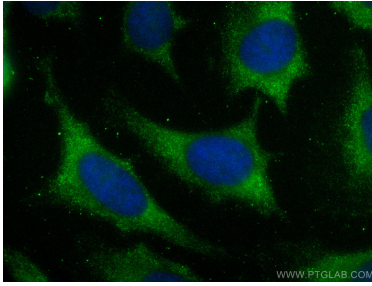
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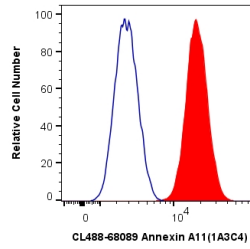
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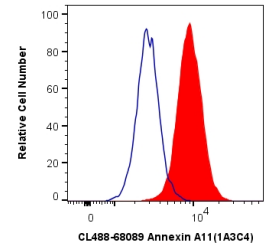
Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 Annexin A11 antibody (CL488-68089, Clone: 1A3C4) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Annexin A11 (CL488-68089, Clone:1A3C4) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1X10⁶ HEK-293T cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human Annexin A11 (CL488-68089, Clone:1A3C4) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).