

For Research Use Only

CoraLite® Plus 488-conjugated STOML2 Monoclonal antibody



Catalog Number: CL488-60052

Featured Product

Basic Information

Catalog Number:

CL488-60052

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG0363

GenBank Accession Number:

BC002442

GeneID (NCBI):

30968

UNIPROT ID:

Q9UJZ1

Full Name:

stomatin (EPB72)-like 2

Calculated MW:

356 aa, 39 kDa

Observed MW:

39 kDa

Purification Method:

Protein A purification

CloneNo.:

1A2E9

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat, pig

Background Information

Human stomatin (band 7.2b) is a 31-kDa erythrocyte membrane protein of unknown function but implicated in the control of ion channel permeability, mechanoreception, and lipid domain organization. Stomatin (EPB72)-like 2 (STOML2, synonyms: SLP-2, HSPC108) is a 38.5-kDa protein that is overall approximately 20% similar to human stomatin. STOML2 is also present in mature human erythrocytes, but lacks a characteristic NH₂-terminal hydrophobic domain found in other stomatin homologues. STOML2 may link stomatin or other integral membrane proteins to the peripheral cytoskeleton and thereby play a role in regulating ion channel conductances or the organization of sphingolipid and cholesterol-rich lipid rafts.

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:

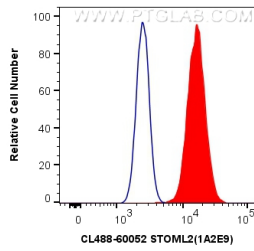
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g CoraLite® Plus 488 Anti-Human STOML2 (CL488-60052, Clone:1A2E9) (red), or 0.4 μ g Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).