

For Research Use Only

CoraLite® Plus 488-conjugated SLC30A2 Monoclonal antibody



Catalog Number: CL488-67993

Basic Information

Catalog Number:

CL488-67993

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8232

GenBank Accession Number:

BC006251

GeneID (NCBI):

7780

UNIPROT ID:

Q9BRI3

Full Name:

solute carrier family 30 (zinc transporter), member 2

Calculated MW:

323 aa, 35 kDa

Observed MW:

41 kDa

Purification Method:

Protein G purification

CloneNo.:

1D9E5

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, Mouse

Background Information

SLC30A2, also named as the Zn transporter 2 gene (ZnT2), belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family and SLC30A subfamily. It plays a role in the zinc ion transmembrane transport. Expression of SLC30A2 is restricted to secretory cells, such as acinar pancreatic cells, prostate epithelial cells, placental trophoblasts, Paneth cells, and mammary epithelial cells (MECs). SLC30A2 consists of six transmembrane domains with cytoplasmic N- and C-termini that contain numerous regulatory domains, and functions as a homo- or hetero- dimer to transport Zn into vesicles (PMID: 29476070). SLC30A2 has 2 isoforms with the molecular mass of 35 and 41 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:

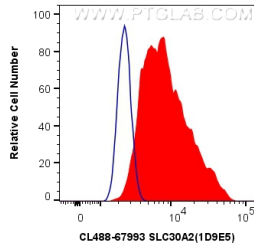
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human SLC30A2 (CL488-67993, Clone:1D9E5) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).