For Research Use Only

CoraLite® Plus 647-conjugated MAN1A1 Polyclonal antibody

Catalog Number:CL647-23382

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-23382

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG20060

GenBank Accession Number:
BC065827

GeneID (NCBI):
4121

UNIPROT ID:
P33908

Full Name:
mannosidase, alpha, class 1A, member 1

Calculated MW:
653 aa, 73 kDa

Observed MW:
68 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
FC (Intra): 0.4 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

FC (Intra) : HepG2 cells,

Background Information

MAN1A1, also known as HUMM3, HUMM9, MAN9, belongs to the glycosyl hydrolase 47 family. MAN1A1 is a type II transmembrane protein and catalyzes the hydrolysis of three terminal mannose residues from peptide-bound Man(9)-GlcNAc(2) oligosaccharides. MAN1A1 is a tumor-suppressor and low levels of expression of MAN1A1 correlate with poor prognosis in breast cancer patients (PMID: 29381688).

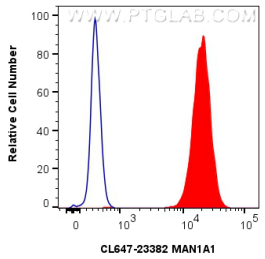
Storage

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, pH7.3
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



1x10^6 HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647-conjugated MAN1A1 Polyclonal antibody (CL647-23382)(red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).