

For Research Use Only

CoraLite® Plus 488-conjugated NEU1 Monoclonal antibody



Catalog Number: CL488-67032

Basic Information

Catalog Number: CL488-67032	GenBank Accession Number: BC011900	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 4758	CloneNo.: 1F6D1
Source: Mouse	UNIPROT ID: Q99519	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: sialidase 1 (lysosomal sialidase)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG27945	Calculated MW: 45 kDa	
	Observed MW: 45-48 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : U-251 cells,
Species Specificity: Human, Rat, Pig	

Background Information

NEU1 (lysosomal sialidase) encodes a kind of lysosomal enzyme that could cleave terminal sialic acids from glycoproteins or glycolipids to regulate various biological processes by conformational change (PMID:28130415). In the lysosome, NEU1 is one member of a heterotrimeric complex, the others are beta-galactosidase and cathepsin A. The NEU1 is widely expressed in mammalian tissues and involved in lysosomal storage disorder sialidosis, autoimmune diseases and the malignancy and metastasis of cancer cells (PMID:19075514). NEU1 also expresses on the plasma membrane where it modulates several signalling molecules about inflammation, exocytosis, phagocytosis, cell adhesion and proliferation (PMID:21928149). Addition, it is reported that mutation in NEU1 of human could lead to sialidosis (PMID:14517945).

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:

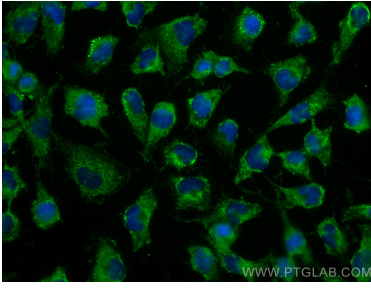
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using CoraLite® Plus 488 NEU1 antibody (CL488-67032, Clone: 1F6D1) at dilution of 1:200.