

For Research Use Only

CoraLite® Plus 488-conjugated NBR1 Monoclonal antibody



Catalog Number: CL488-68062

Basic Information

Catalog Number: CL488-68062	GenBank Accession Number: BC009808	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 4077	CloneNo.: 1F2B2
Source: Mouse	UNIPROT ID: Q14596	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Full Name: neighbor of BRCA1 gene 1	
Immunogen Catalog Number: AG8652	Calculated MW: 966 aa, 107 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, mouse, rat

Background Information

NBR1, also named as 1A13B, KIAA0049 and M17S2, acts probably as a receptor for selective autophagosomal degradation of ubiquitinated targets. NBR1 and P62 can bind to autophagic effector proteins (Atg8 in yeast, MAP1LC3 protein family in mammals) anchored in the membrane of autophagosomes. It is a highly conserved multidomain scaffold protein with proposed roles in endocytic trafficking and selective autophagy. NBR1 is a novel PB1 adapter in Th2 differentiation and asthma. It functions as an autophagy receptor involved in targeting ubiquitinated proteins for degradation. It also has a dual role as a scaffold protein to regulate growth-factor receptor and downstream signaling pathways. Observed MW of NBR1 is 140 kDa (PMID: 22654911, PMID: 22484440).

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:

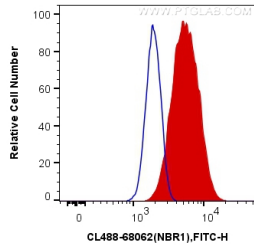
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human NBR1 (CL488-68062, Clone:1F2B2) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).