

# CoraLite® Plus 488-conjugated ARHGEF16 Monoclonal antibody

Catalog Number: **CL488-67975**

## Basic Information

Catalog Number: CL488-67975	GenBank Accession Number: BC002681	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 27237	CloneNo.: 1D8E3
Source: Mouse	UNIPROT ID: Q5VV41	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Full Name: Rho guanine exchange factor (GEF) 16	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG28675	Calculated MW: 80 kDa	
	Observed MW: 80 kDa	

## Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : MCF-7 cells,
Species Specificity: Human	

## Background Information

Small GTPases of the Rho family are critical regulators of various cellular functions including actin cytoskeleton organization, activation of kinase cascades, mitogenesis, transcriptional activation and stimulation of DNA synthesis. Rho proteins cycle between a biologically active GTP-bound state and an inactive GDP-bound state. Rho guanine nucleotide exchange factor (GEF) has a crucial role in activating small GTPase by exchange GDP for GTP. ARGEF16 is one of the multiple GEF members. Although the specific function of this protein is not known yet, it is thought to be involved in protein-protein and protein-lipid interactions.

## 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

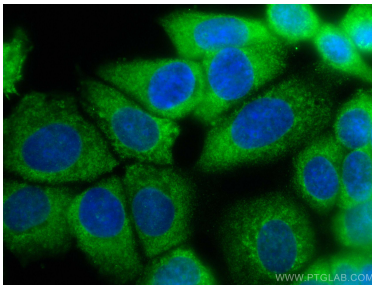
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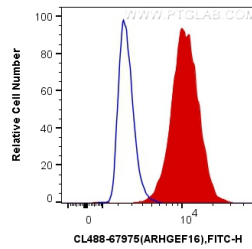
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 ARHGEF16 antibody (CL488-67975, Clone: 1D8E3) at dilution of 1:200.



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ARHGEF16 (CL488-67975, Clone:1D8E3) (red), or 0.4 ug 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).