

# CoraLite®555-conjugated ARHGEF16 Monoclonal antibody

Catalog Number: CL555-67975

## Basic Information

**Catalog Number:**

CL555-67975

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG28675

**GenBank Accession Number:**

BC002681

**GeneID (NCBI):**

27237

**UNIPROT ID:**

Q5VV41

**Full Name:**

Rho guanine exchange factor (GEF) 16

**Calculated MW:**

80 kDa

**Observed MW:**

80 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1D8E3

**Excitation/Emission maxima  
wavelengths:**

557 nm / 570 nm

## Applications

**Tested Applications:**

FC (Intra)

**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:**

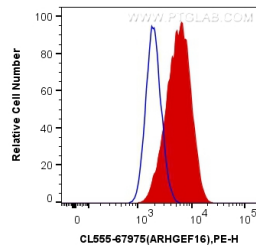
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Coralite®555 Anti-Human ARHGEF16 (CL555-67975, Clone:1D8E3) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).