

CoraLite® Plus 488-conjugated ARF1 Monoclonal antibody

Catalog Number: **CL488-68069**

Basic Information

Catalog Number:

CL488-68069

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28021

GenBank Accession Number:

BC009247

GeneID (NCBI):

375

UNIPROT ID:

P84077

Full Name:

ADP-ribosylation factor 1

Calculated MW:

21 kDa

Observed MW:

18-21 kDa

Purification Method:

Protein G purification

CloneNo.:

1C10E3

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat, rabbit

Positive Controls:

IF/ICC : HeLa cells,

Background Information

ADP-ribosylation factors (ARFs) are members of the ARF family of GTP-binding proteins of the Ras superfamily. ARFs bind and regulate GTP/GDP cycle by alternating between the active GTP-bound and inactive GDP-bound conformations. ARF family proteins are essential and ubiquitous in eukaryotes. Six highly conserved members of the family have been identified in mammalian cells. They function in vesicular traffic and actin remodelling and other bioprocesses in cells. The ARF1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport. It mainly functions in coat recruitment.(PMID: 7759471, PMID: 16042562).

Storage

Storage:

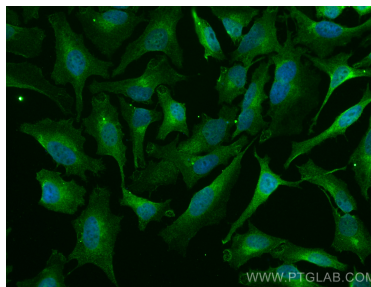
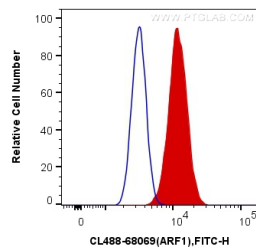
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ARF1 (CL488-68069, Clone:1C10E3) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 ARF1 antibody (CL488-68069, Clone: 1C10E3) at dilution of 1:200.