

# CoraLite® Plus 488-conjugated DOCK7 Monoclonal antibody

Catalog Number: **CL488-67842**

## Basic Information

**Catalog Number:**

CL488-67842

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG28417

**GenBank Accession Number:**

BC016392

**GeneID (NCBI):**

85440

**UNIPROT ID:**

Q96N67

**Full Name:**

dedicator of cytokinesis 7

**Calculated MW:**

2109 aa, 239 kDa

**Observed MW:**

243 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1A4A6

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

FC (Intra)

**Species Specificity:**

Human, mouse, rat

## Background Information

DOCK 7 (dedicator of cytokinesis 7), also known as ZIR2, is a member of the DOCK180-related protein superfamily. Expressed mainly in neuronal cells, DOCK 7 is a guanine nucleotide exchange factor (GEF) for small GTPases, Rac1 and Cdc42, which are the major regulators of actin cytoskeleton. Multiple isoforms of DOCK 7 exist due to alternative splicing events.

## Storage

**Storage:**

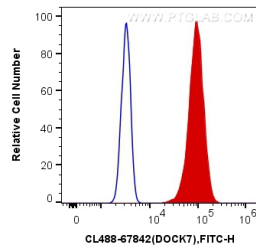
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**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® Plus 488 Anti-Human DOCK7 (CL488-67842, Clone:1A4A6) (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).