

For Research Use Only

CoraLite® Plus 647-conjugated VAV1 Recombinant monoclonal antibody

Catalog Number:CL647-86933-2



Basic Information

Catalog Number:

CL647-86933-2

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38665

GenBank Accession Number:

BC013361

GeneID (NCBI):

7409

UNIPROT ID:

P15498

Full Name:

vav 1 guanine nucleotide exchange factor

Calculated MW:

845 aa, 98 kDa

Observed MW:

98 kDa

Purification Method:

Protein A purification

CloneNo.:

251870A5

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.4 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : Jurkat cells,

FC (Intra) : Jurkat cells,

Background Information

Vav proteins mainly act as enzymes that catalyze the activation step of Rho subfamily GTPases during cell signaling. There are three family members: VAV1, VAV2 and VAV3. Vav1 is specifically expressed in the hematopoietic system, whereas Vav2 and Vav3 are more ubiquitously expressed (PMID:14607270). Vav1 is physiologically active as a GDP/GTP nucleotide exchange factor (GEF) in the hematopoietic system (PMID:31654719).

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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

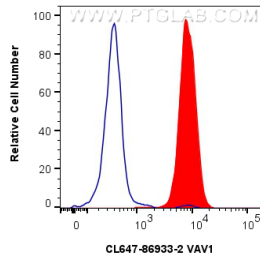
T: 4006900926

E: Proteintech-CN@ptglab.com

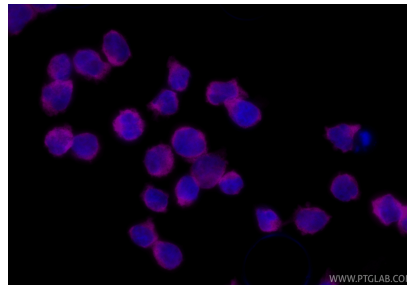
W: ptgcn.com

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Selected Validation Data



1x10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 647-conjugated VAV1 Recombinant monoclonal antibody (CL647-86933-2, Clone:251870A5)(red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 647 VAV1 antibody (CL647-86933-2, Clone: 251870A5) at dilution of 1:200.