

For Research Use Only

CoraLite® Plus 647-conjugated ITPR1-specific Polyclonal antibody

Catalog Number: CL647-19962



Basic Information

Catalog Number:

CL647-19962

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001099952

GeneID (NCBI):

3708

UNIPROT ID:

Q14643

Full Name:

inositol 1,4,5-trisphosphate receptor, type 1

Calculated MW:

314 kDa

Observed MW:

290-300 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

FC (Intra): 0.20 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

FC (Intra) : HepG2 cells,

Background Information

ITPR1, also named as INSP3R1 and IP3R, belongs to the InsP3 receptor family. It is a receptor for inositol 1,4,5-trisphosphate which is a second messenger that mediates the release of intracellular calcium. Defects in ITPR1 are the cause of spinocerebellar ataxia type 15 (SCA15). The antibody has no cross reaction with ITPR2 and ITPR3.

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:

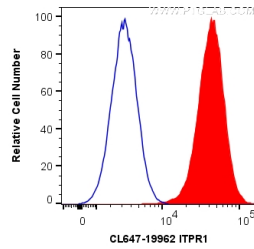
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Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human ITPR1-specific (CL647-19962) (red), or 0.2 ug CoraLite® Plus 647-conjugated Rabbit IgG Isotype Control (CL647-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).