

CoraLite® Plus 488-conjugated MVK Monoclonal antibody

Catalog Number: **CL488-67820**

Basic Information

Catalog Number:

CL488-67820

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG28887

GenBank Accession Number:

BC016140

GeneID (NCBI):

4598

UNIPROT ID:

Q03426

Full Name:

mevalonate kinase

Calculated MW:

396 aa, 42 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

2F1D3

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Background Information

MVK (Mevalonate kinase) is a 42 kDa cytoplasmic protein that belongs to the GHMP kinase family. Mevalonate kinase catalyzes the ATP-dependent phosphorylation of mevalonic acid to form mevalonate 5-phosphate. Defects in mevalonate kinase can cause mevalonic aciduria (MEVA). It is an accumulation of mevalonic acid which causes a variety of symptoms such as psychomotor retardation, dysmorphic features, cataracts, hepatosplenomegaly, lymphadenopathy, anemia, hypotonia, myopathy and ataxia.

Storage

Storage:

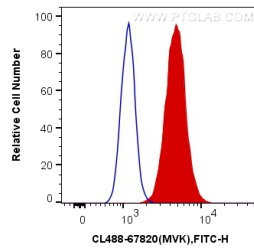
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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 HepG2 cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human MVK (CL488-67820, Clone:2F1D3) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).