

# CoraLite® Plus 488-conjugated TAK1 Monoclonal antibody

Catalog Number: **CL488-67707**

## Basic Information

**Catalog Number:**

CL488-67707

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG21286

**GenBank Accession Number:**

BC017715

**GeneID (NCBI):**

6885

**UNIPROT ID:**

O43318

**Full Name:**mitogen-activated protein kinase  
kinase kinase 7**Calculated MW:**

579 aa, 64 kDa

**Observed MW:**

67-70 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1A5B2

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human, Mouse, Rat

**Positive Controls:**

IF/ICC : HepG2 cells,

## Background Information

MAP3K7(Mitogen-activated protein kinase kinase kinase 7) is also named as TAK1 and belongs to the MAP kinase kinase kinase subfamily. It plays an important role in the cascades of cellular responses evoked by changes in the environment. It has been linked to interleukin-1 receptor and tumor necrosis factor receptor signaling (PMID: 16186825). It has 4 isoforms (53-55 kDa, 64-70 kDa and 75-80 kDa) produced by alternative splicing.

## Storage

**Storage:**

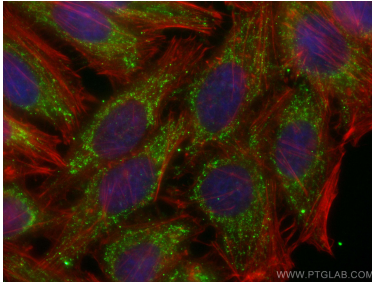
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**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



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 TAK1 antibody (CL488-67707, Clone: 1A5B2 ) at dilution of 1:200, CL594-phalloidin (red).