

CoraLite® Plus 488-conjugated HTRA1 Monoclonal antibody

Catalog Number: **CL488-68053**

Basic Information

Catalog Number:

CL488-68053

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG31204

GenBank Accession Number:

NM_002775

GeneID (NCBI):

5654

UNIPROT ID:

Q92743

Full Name:

HtrA serine peptidase 1

Calculated MW:

51 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

1B11G12

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat, pig, rabbit

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

HTRA1, also named as HTRA, PRSS11 and L56, belongs to the peptidase S1B family. It is a protease that regulates the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. HTRA1 represses signaling by TGF-beta family members. Variations in the promoter region of HTRA1 are the cause of susceptibility to age-related macular degeneration type 7 (ARMD7). Defects in HTRA1 are the cause of cerebral autosomal recessive arteriopathy with subcortical infarcts and leukoencephalopathy (CARASIL). The 50 kDa HTRA1 was found at varying levels in the majority samples tested, whereas the 42 kDa form of HTRA1 was identified in degenerated intervertebral disc protein samples (PMID:22556410). The short truncated monomer 37 kDa and dimer 74 kDa are proved (PMID:25329061). The antibody is specific to HTRA1.

Storage

Storage:

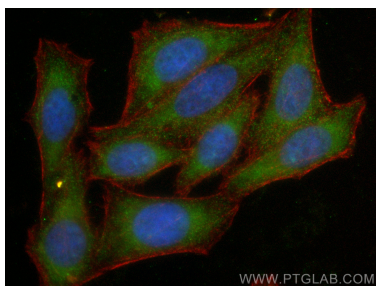
Store at -20°C. Avoid exposure to light.

Storage Buffer:

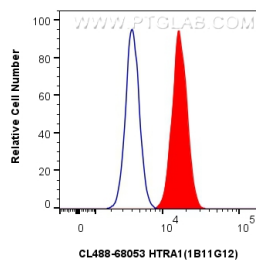
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Coralite® Plus 488 HTRA1 antibody (CL488-68053, Clone: 1B11G12) at dilution of 1:200, CL594-Phalloidin (red).



1x10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Htra1 Monoclonal Antibody (CL488-68053, Clone:1B11G12)(red), or 0.4 ug Coralite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).