

CoraLite® Plus 488-conjugated EEF1A1 Monoclonal antibody

Catalog Number: **CL488-67495**

Basic Information

Catalog Number:

CL488-67495

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1938

GenBank Accession Number:

BC014224

GeneID (NCBI):

1915

UNIPROT ID:

P68104

Full Name:

eukaryotic translation elongation
factor 1 alpha 1

Calculated MW:

462 aa, 50 kDa

Observed MW:

49 kDa

Purification Method:

Protein G purification

CloneNo.:

1A9F5

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

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

EEF1A1, also named as EEF1A, EF1A and LENG7, belongs to the GTP-binding elongation factor family. This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. It is a typical housekeeping gene product required for the maintenance of cell proliferation and/or survival. In addition, EEF1A1 protects the aminoester bond against hydrolysis until a correct match between the codon on mRNA and the anti-codon on tRNA can be achieved.

Storage

Storage:

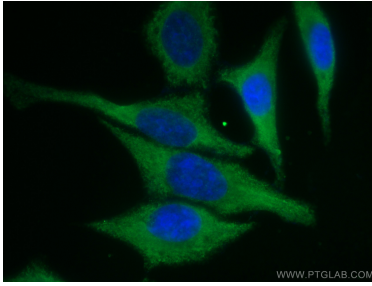
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

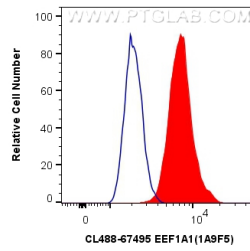
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 EEF1A1 antibody (CL488-67495, Clone: 1A9F5) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human EEF1A1 (CL488-67495, Clone:1A9F5) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).