

For Research Use Only

CoraLite®488-conjugated EIF4E Monoclonal antibody



Catalog Number: CL488-66655

Featured Product

Basic Information

Catalog Number:

CL488-66655

GenBank Accession Number:

BC012611

Purification Method:

Protein G purification

Size:

100ul , Concentration: 1000 µg/ml by
Nanodrop;

GeneID (NCBI):

1977

CloneNo.:

3C6B9

Source:

Mouse

Full Name:

eukaryotic translation initiation
factor 4E

Recommended Dilutions:

IF 1:50-1:500

Isotype:

IgG1

Calculated MW:

29 kDa

Excitation/Emission maxima
wavelengths:

488 nm/515 nm

Immunogen Catalog Number:

AG27191

Observed MW:

25 kDa

Applications

Tested Applications:

FC (Intra), IF

Positive Controls:

IF : HepG2 cells,

Species Specificity:

Human, mouse, rat

Background Information

Eukaryotic translation initiation factor 4E(EIF4E) is the rate-limiting part of mRNA 7-methyl guanosine cap-binding component of the translation initiation complex eIF4F. The other subunits of EIF4F are a 50-kD polypeptied, termed EIF4A and a 220-kD polypeptied EIF4G. EIF4E mediates the binding to the mRNA cap then repress the translation. Due to the increasing expression of c-Myc in the oncogene, EIF4E's activity is enhance.

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

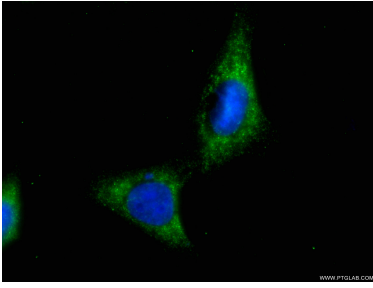
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

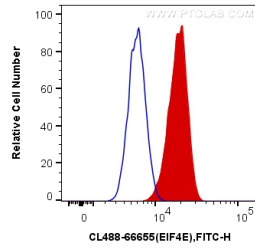
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL488-66655 (EIF4E antibody) at dilution of 1:100.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite®488 Anti-Human EIF4E (CL488-66655, Clone:3C6B9) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).