For Research Use Only

CoraLite® Plus 647-conjugated EIF4E Monoclonal antibody

Catalog Number:CL647-66655 Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL647-66655

Size:
100ul , Concentration: 1000 μg/mL by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG27191

GenBank Accession Number:
BC012611

GeneID (NCBI):
1977

Full Name:
eukaryotic translation initiation factor 4E

Calculated MW:
29 kDa

Observed MW:
25 kDa

Purification Method:
Protein G purification

CloneNo.:
3C6B9

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, mouse, rat

Background Information

Eukaryotic translation initiation factor 4E, also known as eIF4E, is a protein that in humans is encoded by the EIF4E gene. eIF4E is the mRNA cap-binding protein, known as a general initiation factor allowing for mRNA-ribosome interaction and cap-dependent translation in eukaryotic cells. eIF4E is a polypeptide that exists as both a free form and as part of the eIF4F pre-initiation complex. Regulation of eIF4E may be achieved via three distinct mechanisms: transcription, phosphorylation, and inhibitory proteins.

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

***** 20ul sizes contain 0.1% BSA**

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
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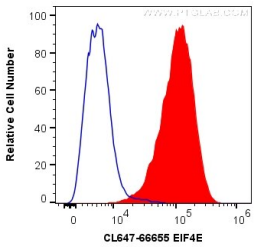
Selected Validation Data



1X10^6 HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human EIF4E (CL647-66655, Clone:3C6B9) (red), or 0.2 ug APC-65128 ; APC Mouse IgG2b Isotype Control (APC-65128, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).