

For Research Use Only

# CoraLite® Plus 488-conjugated EIF3D Recombinant antibody

Catalog Number: CL488-82512



## Basic Information

### Catalog Number:

CL488-82512

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0268

### GenBank Accession Number:

BC000328

### GeneID (NCBI):

8664

### UNIPROT ID:

O15371

### Full Name:

eukaryotic translation initiation  
factor 3, subunit D

### Calculated MW:

66 kDa

### Observed MW:

65 kDa

### Purification Method:

Protein A purification

### CloneNo.:

308

### 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, rat

### Positive Controls:

IF/ICC : U2OS cells,

## Background Information

The mammalian translation initiation factor 3 (eIF3), is a multiprotein complex of ~600 kDa that binds to the 40 S ribosome and promotes the binding of methionyl-tRNAi and mRNA. The EIF3S7(p66) is the major RNA binding subunit in this complex. Human eIF3-p66 shares 64% sequence identity with a hypothetical *Caenorhabditis elegans* protein, presumably the p66 homolog. Deletion analyses of recombinant derivatives of eIF3-p66 show that the RNA-binding domain lies within an N-terminal 71-amino acid region rich in lysine and arginine.

## 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

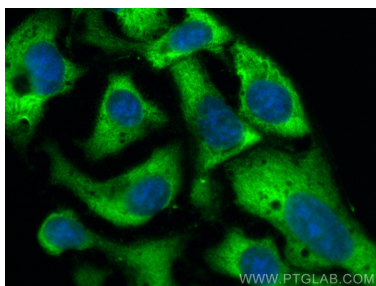
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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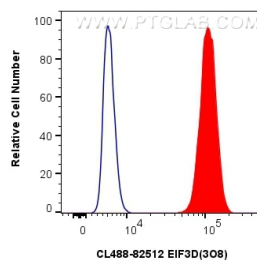
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using Coralite® Plus 488 EIF3D antibody (CL488-82512, Clone: 3O8 ) at dilution of 1:200.



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.4 ug Coralite® Plus 488-conjugated EIF3D Recombinant antibody (CL488-82512, Clone:3O8) (red), or 0.4 ug Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).