

CoraLite[®] Plus 488-conjugated EIF3D Monoclonal antibody

Catalog Number: **CL488-66024**

Basic Information

Catalog Number:

CL488-66024

Size:1000 μ g/ml**Source:**

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG18092

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:

66 kDa

Purification Method:

Protein A purification

CloneNo.:

2C5A3

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa 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:

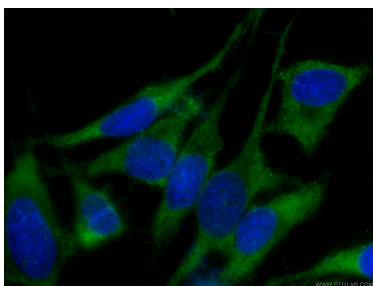
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CL488-66024 (EIF3D antibody) at dilution of 1:100.