

For Research Use Only

# CoraLite® Plus 488-conjugated FMR1 Monoclonal antibody

Catalog Number: CL488-66548

Featured Product



## Basic Information

Catalog Number:

CL488-66548

Size:

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

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG4697

GenBank Accession Number:

BC038998

GeneID (NCBI):

2332

UNIPROT ID:

Q06787

Full Name:

fragile X mental retardation 1

Calculated MW:

632 aa, 71 kDa

Observed MW:

69-72 kDa

Purification Method:

Protein A purification

CloneNo.:

2B5B5

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, rat, mouse

## Background Information

The selective RNA-binding protein FMRP forms a messenger ribonucleoprotein complex that associates with polyribosomes, implicating in regulation of translation. FMR1 is a component of the CYFIP1-EIF4E-FMR1 complex which binds to and represses the mRNA. It also has a role in the transport of mRNA from the nucleus to the cytoplasm. FMR1 exists several isoforms and the molecular weight of FMR1 is about 59-72 kDa.

## 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

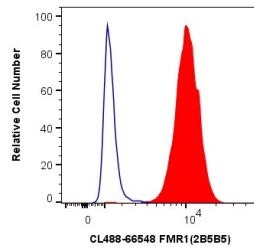
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human FMR1 (CL488-66548, Clone:2B5B5) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).