

# CoraLite®594-conjugated MBNL1 Monoclonal antibody

Catalog Number: **CL594-66837**

## Basic Information

**Catalog Number:**

CL594-66837

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG7752

**GenBank Accession Number:**

BC050535

**GeneID (NCBI):**

4154

**UNIPROT ID:**

Q9NR56

**Full Name:**

muscleblind-like (Drosophila)

**Calculated MW:**

42 kDa

**Observed MW:**

40 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1H2C12

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human, mouse, rat, pig

**Positive Controls:**

IF/ICC : A431 cells,

## Background Information

MBNL1 (muscleblind-like 1) is one of the MBNL proteins containing 3 members (MBNL1-3) in vertebrates. And MBNL1 is widely expressed in adult tissues including brain, heart and skeletal muscle (PMID:25274774). As a highly conserved RNA-binding protein, MBNL1 regulates alternative splicing, alternative polyadenylation, mRNA stability and mRNA localization in the nucleus. The neurological diseases DM1 and DM2 (myotonic dystrophy type 1 and type2) are caused by expansion of repetitive sequences in non-coding regions in the DMPK gene because of the inappropriate patterns of alternative splicing owing to MBNL1 (PMID:24354850). The antibody could recognize the common full-length protein in applications.

## Storage

**Storage:**

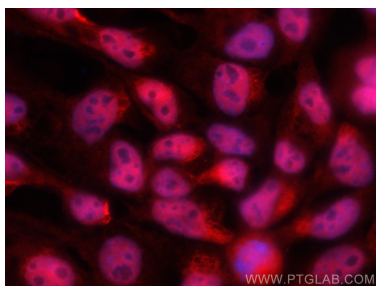
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**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 (4% PFA) fixed A431 cells using CoraLite®594 MBNL1 antibody (CL594-66837, Clone: 1H2C12 ) at dilution of 1:200.