

# CoraLite® Plus 488-conjugated ORM2-Specific Monoclonal antibody

Catalog Number: **CL488-66217**

## Basic Information

**Catalog Number:**

CL488-66217

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG18984

**GenBank Accession Number:**

BC015964

**GeneID (NCBI):**

5005

**UNIPROT ID:**

P19652

**Full Name:**

orosomuroid 2

**Calculated MW:**

24 kDa

**Observed MW:**

45 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

4E9H10

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human

**Positive Controls:**

IF/ICC : HepG2 cells,

## Background Information

ORM2, also named as AGP2 and OMD 2, belongs to the calycin superfamily and Lipocalin family. It functions as transport protein in the blood stream. ORM2 binds various hydrophobic ligands in the interior of its beta-barrel domain. It also binds synthetic drugs and influences their distribution and availability. ORM2 appears to function in modulating the activity of the immune system during the acute-phase reaction. ORM2 is one of the conserved endoplasmic reticulum membrane proteins which regulating lipid homeostasis and protein quality control. This antibody can specially recognize ORM2. It recognizes a band about 45 kDa in human plasma which may be due to the glycosylation of ORM2 or the dimer formation of the protein.

## Storage

**Storage:**

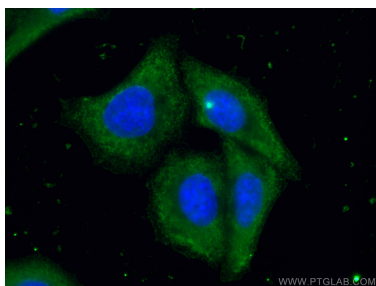
Store at -20°C. Avoid exposure to light.

**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 HepG2 cells using CoraLite® Plus 488 ORM2-Specific antibody (CL488-66217, Clone: 4E9H10 ) at dilution of 1:200.