

For Research Use Only

# CoraLite®555-conjugated APOE Monoclonal antibody



Catalog Number:CL555-66830

Featured Product

## Basic Information

Catalog Number:

CL555-66830

Size:

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

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28186

GenBank Accession Number:

BC003557

GeneID (NCBI):

348

UNIPROT ID:

P02649

Full Name:

Apolipoprotein E

Calculated MW:

36 kDa

Observed MW:

34-36 kDa

Purification Method:

Protein G purification

CloneNo.:

1B2C9

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

557 nm / 570 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : Caco-2 cells,

## Background Information

The apolipoprotein E (APOE) is a 299-amino acid polypeptide that mediates the binding, internalization, and catabolism of lipoprotein particles, and also serve as a ligand for the LDL (APO B/E) receptor and for the specific APOE receptor (chylomicron remnant) of hepatic tissues. The very strong association of the APOE ε4 allele with AD risk and its role in the accumulation of amyloid β in brains of people and animal models solidify the biological relevance of APOE isoforms but do not provide mechanistic insight.

## 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

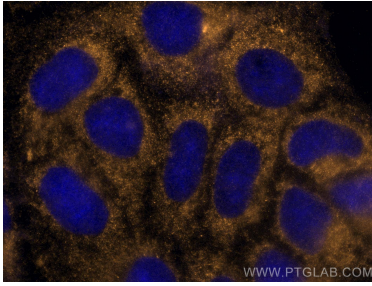
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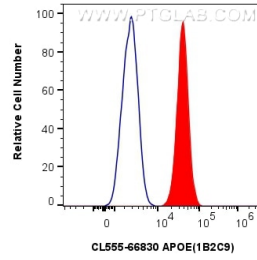
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed Caco-2 cells using CoraLite®555 APOE antibody (CL555-66830, Clone: 1B2C9) at dilution of 1:200.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite®555-conjugated APOE Monoclonal antibody (CL555-66830, Clone:1B2C9) (red), or 0.4 ug CoraLite®555 Mouse IgG1 Isotype Control (MOPC-21) (CL555-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).