

CoraLite®555-conjugated Calretinin Monoclonal antibody

Catalog Number: CL555-66496

Basic Information

Catalog Number:

CL555-66496

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2924

GenBank Accession Number:

BC015484

GeneID (NCBI):

794

UNIPROT ID:

P22676

Full Name:

calbindin 2

Calculated MW:

29 kDa

Observed MW:

29 kDa

Purification Method:

Protein G purification

CloneNo.:

2D7A9

Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

557 nm / 570 nm

Applications

Tested Applications:

IF/ICC, IF-P

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF-P : human appendicitis tissue,

IF/ICC : SH-SY5Y cells,

Background Information

Calbindin 2 (calretinin), is an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. This protein plays a role in diverse cellular functions, including message targeting and intracellular calcium buffering. It also functions as a modulator of neuronal excitability, and is a diagnostic marker for some human diseases, including Hirschsprung disease and some cancers. Calretinin is a useful marker for differentiating malignant mesothelioma from carcinomas.

Storage

Storage:

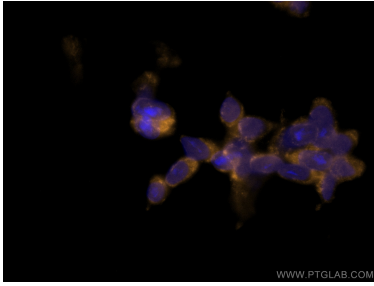
Store at -20°C. Avoid exposure to light.

Storage Buffer:

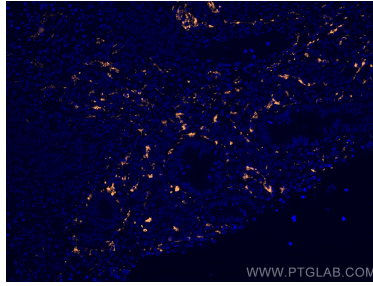
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite®555 Calretinin antibody (CL555-66496, Clone: 2D7A9) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using CoraLite®555 Calretinin antibody (CL555-66496, Clone: 2D7A9) at dilution of 1:200.