For Research Use Only

CoraLite® Plus 488-conjugated Calretinin Monoclonal antibody

Catalog Number:CL488-66496

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-66496

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

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG2924

GenBank Accession Number:
BC015484

GeneID (NCBI):
794

Full Name:
calbindin 2

Calculated MW:
29 kDa

Observed MW:
29 kDa

Purification Method:
Protein G purification

CloneNo.:
2D7A9

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF

Species Specificity:
Human, mouse, pig, rat

Positive Controls:

IF : 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. 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

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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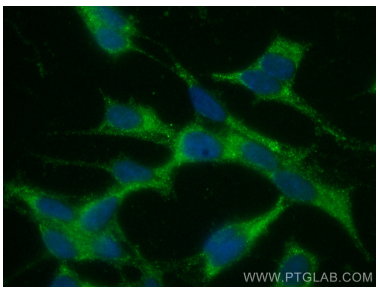
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® Plus 488 Calretinin antibody (CL488-66496, Clone: 2D7A9) at dilution of 1:200.