

For Research Use Only

CoraLite® Plus 488-conjugated Calbindin-D28k Monoclonal antibody

Catalog Number: CL488-66394



Basic Information

Catalog Number:

CL488-66394

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5861

GenBank Accession Number:

BC006478

GeneID (NCBI):

793

UNIPROT ID:

P05937

Full Name:

calbindin 1, 28kDa

Calculated MW:

30 kDa

Observed MW:

28 kDa

Purification Method:

Protein G purification

CloneNo.:

1F8B9

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: mouse cerebellum tissue, rat cerebellum tissue

Background Information

Calbindin-D28k is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. It is a cytosolic calcium binding protein highly expressed in the distal tubule, intestines, central nervous system, primary murine osteoblast cells and in several other organs. It plays an important role in the intracellular calcium homeostasis, its strong buffering capacity prevents cytotoxic effect of high concentration of free calcium in kidney, brain, pancreas, and intestine.

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

For technical support and original validation data for this product please contact:

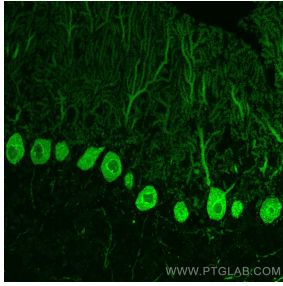
T: 4006900926

E: Proteintech-CN@ptglab.com

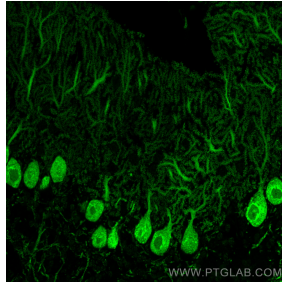
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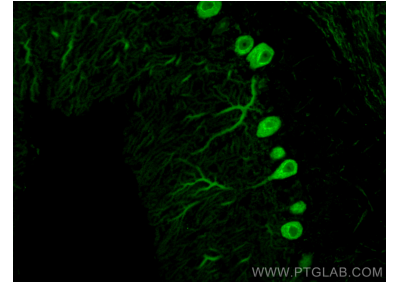
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse cerebellum tissue using CoraLite® Plus 488 Calbindin-D28k antibody (CL488-66394, Clone: 1F8B9) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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