

For Research Use Only

CoraLite® Plus 488-conjugated Parvalbumin Recombinant monoclonal antibody

Catalog Number: **CL488-85819-4**



Basic Information

Catalog Number: CL488-85819-4	GenBank Accession Number: NM_002854	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 5816	CloneNo.: 250158B6
Source: Rabbit	UNIPROT ID: P20472	Recommended Dilutions: IF-P: 1:50-1:500
Isotype: IgG	Full Name: parvalbumin	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG30189	Calculated MW: 12 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : mouse cerebellum tissue,
Species Specificity: human, mouse	

Background Information

PVALB is a high affinity calcium ion-binding protein that is structurally and functionally similar to calmodulin and troponin C. PVALB is expressed in high levels only in fast-contracting muscles and at lower levels in brain and several endocrine tissues. It is thought to be involved in muscle relaxation. Monomeric (12 kDa) and dimeric (24 kDa) forms, as well as trimeric Parvalbumin (38 kDa), have been described in a literature (PMID: 19616851).

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

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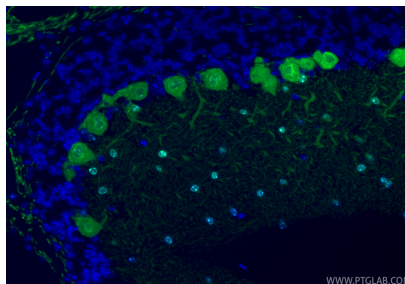
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse cerebellum tissue using CoraLite® Plus 488 Parvalbumin antibody (CL488-85819-4, Clone: 250158B6) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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