

Anti-Calbindin Monoclonal Antibody

Catalog Number: M03047-1

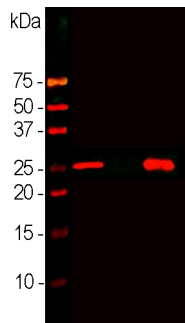
Overview

Product Name	Anti-Calbindin Monoclonal Antibody
Reactive Species	Bovine, Human, Mouse, Pig, Rat
Description	Boster Bio Anti-Calbindin Monoclonal Antibody catalog # M03047-1. Tested in IF, IHC, WB applications. This antibody reacts with Bovine, Human, Mouse, Pig, Rat.
Application	IF, IHC, WB
Clonality	Monoclonal
Formulation	Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN ₃
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P05937

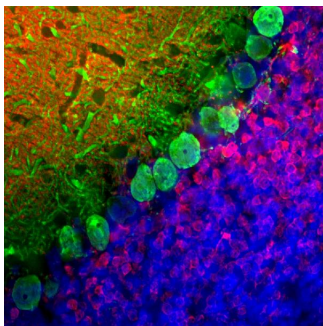
Technical Details

Immunogen	Full-length recombinant human calbindin protein expressed in and purified from E.Coli.
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:1,000-1:5,000. ICC/IF or IHC: 1:1,000.</p>

Anti-Calbindin Monoclonal Antibody (M03047-1) Images



Western blot analysis of different neuronal tissue lysates using mouse mAb to calbindin, M03047-1, dilution 1:2,000:
[1] protein standard,



Immunofluorescent analysis of rat brain cerebellum section stained with mouse mAb to calbindin, M03047-1, dilution 1:1,000, in green, and costained with rabbit pAb to calretinin, dilution 1:5,000 in red. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45M, and free-floating sections were stained with the above antibodies. Calbindin antibody prominently labels the dendrites and perikarya of Purkinje cells in the molecular layer of cerebellum. In contrast the calretinin antibody stains granule cells, in the granular layer, and their processes in the molecular layer.

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