

## Anti-Calretinin Monoclonal Antibody

Catalog Number: M04255-2

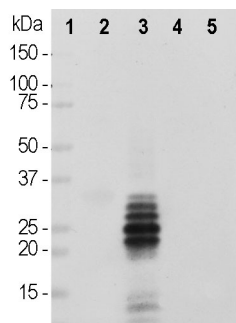
### Overview

Product Name	Anti-Calretinin Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Calretinin Monoclonal Antibody catalog # M04255-2. Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal
Formulation	Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN <sub>3</sub>
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	P22676

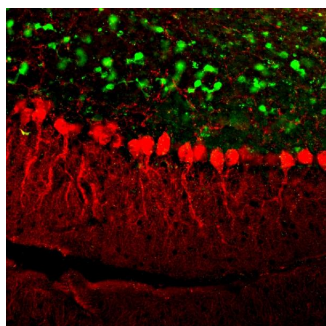
### Technical Details

Immunogen	Full-length recombinant human protein
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>Western blots: 1:1,000-1:5,000. ICC/IF or IHC: 1:1,000.</p>

## Anti-Calretinin Monoclonal Antibody (M04255-2) Images



Western blot analysis of recombinant protein solutions using mouse mAb to calretinin, M04255-2, dilution 1:1,000: [1] protein standard, [2] calbindin, [3] calretinin, [4] parvalbumin, [5] secretogogin. This antibody reacts only with calretinin, and does not bind to other related calcium-binding proteins.



Immunofluorescent analysis of rat cerebellum section stained with mouse mAb to calretinin, M04255-2, dilution 1:500 in green, and costained with chicken pAb to calbindin, dilution 1:2,000 in red. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45M, and free-floating sections were stained with the above antibodies. The calretinin antibody labels interneurons in the granule cell layer, while the calbindin antibody stains Purkinje neurons and their dendritic processes in the molecular layer of the cerebellum.

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