

## Anti-Calmodulin Antibody (Monoclonal, 6D4)

Catalog Number: MA1010

### About Calm1

Calmodulin is the archetype of the family of calcium-modulated proteins of which nearly 20 members have been found. Calmodulin contains 149 amino acids and has 4 calcium-binding domains. Its functions include roles in growth and the cell cycle as well as in signal transduction and the synthesis and release of neurotransmitters. Three calmodulin genes (CALM1, CALM2, and CALM3) map to chromosomes 14q24-q31, 2p21.1-p21.3, and 19q13.2-q13.3, respectively.

### Overview

Product Name	Anti-Calmodulin Antibody (Monoclonal, 6D4)
Reactive Species	Chicken, Rat
Description	Mouse IgG monoclonal antibody for Calmodulin, calmodulin 1; calmodulin 2; calmodulin 3 (CALM1; CALM2; CALM3) detection. Tested with WB in chicken;rat. No cross reactivity with other proteins.
Application	WB
Clonality	Monoclonal 6D4
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg Na <sub>3</sub> N as preservative.
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	P62161

### Technical Details

Immunogen	Preparation of purified calmodulin from Dictyostelium discoideum conjugated to KLH.
Predicted Reactive Species	Chicken

Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot.
Cross Reactivity	No cross reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Purification	Ascites
Suggested Dilutions	Western blot, 0.5µg/ml, Chicken, rat
	For protocols please visit <a href="https://www.bosterbio.com/protocol-and-troubleshooting/">https://www.bosterbio.com/protocol-and-troubleshooting/</a>

## Anti-Calmodulin Antibody (Monoclonal, 6D4) (MA1010) Images



Boster Kit Box

### Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

