

## Calmodulin Antibody [clone 6D4] (R30009)

Catalog No.	Formulation	Size
R30009	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Chicken, Rat
<b>Format</b>	Ascites
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1
<b>Clone Name</b>	6D4
<b>Purity</b>	Ascites
<b>Gene ID</b>	801
<b>Applications</b>	Western Blot : 0.5ug/ml
<b>Limitations</b>	This Calmodulin antibody is available for research use only.



### Description

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.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Calmodulin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Preparation of purified calmodulin from *Dictyostelium discoideum* conjugated to KLH was used as the immunogen for this Calmodulin antibody.

## Storage

After reconstitution, the Calmodulin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.