

## Mouse monoclonal antibody to Calmodulin [CM-16]: IgG

<b>Catalogue No.:</b>	M-973-100
<b>Description:</b>	Calmodulin is a small highly conserved protein with four functional calcium binding sites. Calmodulin undergoes conformational changes when it binds to calcium which can increase its affinity for target proteins. It acts directly, through interaction with key target enzymes, and indirectly, via specific kinases.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	Purified Calmodulin from Dictyostelium discoideum conjugated to KLH
<b>Clone:</b>	CM-16
<b>Other Names:</b>	CaM; CALM; CALM1; CALM2; CALM3; calA; camA
<b>Accession:</b>	P62161 CALM_RAT
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	Western Blotting (WB). A concentration of 0.5 ug/mL is recommended for WB. Rat Calmodulin has a predicted length of 149 residues and a MW of 17 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB.
<b>Cross-reactivity:</b>	Chicken; rat
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase

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FOR RESEARCH USE ONLY

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