

### 32-6052: Mouse Anti Human Calmodulin(Clone:PJ4D8AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PJ4D8AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	SCN5A
<b>Gene ID :</b>	6331
<b>Uniprot ID :</b>	Q14524
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Calmodulin,CaM,CALM2,PHKD,CAMII,PHKD2,calmodulin 2,phosphorylase kinase delta.
<b>Isotype :</b>	Mouse IgG2a heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human Calmodulin mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human Calmodulin amino acids 1-149 purified from E. coli.

#### Description

Calmodulin (CaM) is an intracellular receptor protein for Ca<sup>2+</sup>-ions. It activates the myosin light chain kinase which is the catalyst of myosin phosphorylation. CaM participates in the activation of enzymes such as cyclic nucleotide- dependent phosphodiesterase, calcineurin, ATPase, Myosin Light Chain Kinases, and CAM kinase.

#### Product Info

<b>Amount :</b>	20 µg
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

#### Application Note

Calmodulin antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1,000. Recommended starting dilution is 1:500.