

39-1009: Anti-Calmodulin Monoclonal Antibody (Clone: 6D4)

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| Clonality : | Monoclonal |
| Clone Name : | 6D4 |
| Application : | WB |
| Reactivity : | Rat,chicken |
| Gene : | Calm3 |
| Uniprot ID : | P62161 |
| Alternative Name : | Calmodulin; CaM; Calm1; Calm, Cam, Cam1; Calm2; Cam2, Camb; Calm3; Cam3, Camc |
| Isotype : | Mouse IgG1 |
| Immunogen Information : | Preparation of purified calmodulin from Dictyostelium discoideum conjugated to KLH. |

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.

Product Info

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| Amount : | 100 µg/vial |
| Purification : | Ascites |
| Content : | Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml. |
| Storage condition : | 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. |

Application Note

Western blot : 0.5µg/ml