

## Product datasheet for **BM279**

### Caldesmon (CALD1) Mouse Monoclonal Antibody [Clone ID: 12B5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	12B5
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot.</b>
Reactivity:	Human, Birds, Duck
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Duck Gizzard Caldesmon (heavy type).
Specificity:	This antibody reacts with the High Molecular Weight (120-150 kDa) and a Low Molecular Weight (71-80 kDa) forms of Caldesmon, an actin interacting and Calmodulin binding protein found in smooth muscle and other cell types.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	caldesmon 1
Database Link:	<a href="#">Entrez Gene 800 Human Q05682</a>



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**Background:**

The caldesmon protein is involved in contraction, cell movement, shape change, exocytosis and endocytosis. It is an actin interacting and calmodulin binding protein found in smooth muscle and other cell types. Caldesmon occurs in both a high molecular weight (120-150 kDa) and a low molecular weight (61-70 kDa) form, depending on the tissue in which it is located. Caldesmon plays a major role in the regulation of smooth muscle and non-muscle contractile events.

**Synonyms:**

CALD1, CAD, CDM