

## Caldesmon (ABT-CALD) mouse mAb Ready to use

<b>Catalog No.</b>	IML0104
<b>Reactivity</b>	Human
<b>Applications</b>	IHC-p; IF(paraffin section)
<b>Gene Name</b>	CALD1 CAD CDM
<b>Protein Name</b>	Caldesmon (CDM)
<b>Human Gene Id</b>	800
<b>Swiss-Prot</b>	Q05682
<b>Formulation</b>	Liquid in PBS containing, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse:IgG2b, Kappa
<b>Dilution</b>	IHC-p: 1:100-1:200 IF: 1:50-1:200
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Concentration</b>	-
<b>Storage&amp;Stability</b>	4°C: 1 years
<b>Background</b>	<p>This gene encodes a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of this protein possesses the binding activities to Ca(2+)-calmodulin, actin, tropomyosin, myosin, and phospholipids. This protein is a potent inhibitor of the actin-tropomyosin activated myosin MgATPase, and serves as a mediating factor for Ca(2+)-dependent inhibition of smooth muscle contraction. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.</p>
<b>Subcellular Location</b>	Cytoplasmic
<b>BiowMW</b>	-

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