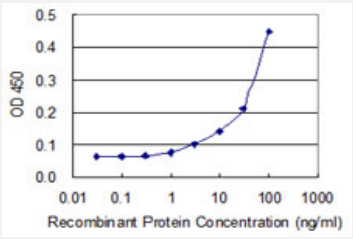
CASQ1 monoclonal antibody (M01), clone 1D7

Catalog # H00000844-M01 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CASQ1 is 1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CASQ1.
Immunogen	CASQ1 (NP_001222, 29 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QEGLDFPEYDGVDRVINVNAKNYKNVFKKYEVLALLYHEPPEDDKASQRQFEMEELILELAAQVLEDKGVGFGLVDSEKDAAVAKKLGLTEVDSMYVFKGDE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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  Protocol Download

- ELISA

Gene Info — CASQ1

Entrez GeneID	844
GeneBank Accession#	NM_001231
Protein Accession#	NP_001222
Gene Name	CASQ1
Gene Alias	CASQ, PDIB1
Gene Description	calsequestrin 1 (fast-twitch, skeletal muscle)
Omim ID	114250
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a mitochondrial calcium-binding protein located in the luminal space of the terminal cisternae of the sarcoplasmic reticulum. The protein binds and putatively sto res calcium ions. The protein is absent in patients with Duchenne and Becker types of muscular d ystrophy. [provided by RefSeq
Other Designations	calmitine|calsequestrin 1

Disease

- Diabetes Mellitus
- Dyslipidemias
- Genetic Predisposition to Disease
- Obesity