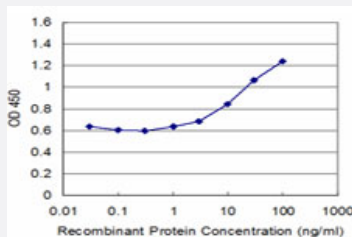


TNNI1 monoclonal antibody (M01), clone 4G6

Catalog # H00007135-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TNNI1 is approximately 1ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant TNNI1.
Immunogen	TNNI1 (AAH12601, 1 a.a. ~ 187 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPEVERKPKITASRKLLKSLMLAKAKECWEQEHEEREAEKVRYLAERIPTLQTRGLSLSALQDL CRELHAKVEVVDEERYDIEAKCLHNTREIKDLKLVMDLRGKFKRPPLRRVRVSADAMLRALLGS KHKVSMDLRANLKS VKKEGTEKERPVEVGDW RKNVEAMSGMEGRKKMFDAAKSPTSQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97)
Isotype	IgG2b 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

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TNNI1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TNNI1

Entrez GeneID	7135
GeneBank Accession#	BC012601
Protein Accession#	AAH12601
Gene Name	TNNI1
Gene Alias	DKFZp451O223, SSTNI, TNN1
Gene Description	troponin I type 1 (skeletal, slow)
Omim ID	191042
Gene Ontology	Hyperlink
Gene Summary	Troponin proteins associate with tropomyosin and regulate the calcium sensitivity of the myofibril contractile apparatus of striated muscles. Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle . TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. The TnI-fast and TnI-slow genes are expressed in fast-twitch and slow-twitch skeletal muscle fibers, respectively, while the TnI-cardiac gene is expressed exclusively in cardiac muscle tissue. This gene encodes the Troponin-I-skeletal-slow-twitch protein. This gene is expressed in cardiac and skeletal muscle during early development but is restricted to slow-twitch skeletal muscle fibers in adults. The encoded protein prevents muscle contraction by inhibiting calcium-mediated conformational changes in actin-myosin complexes. [provided by RefSeq]
Other Designations	OTTHUMP00000033877 OTTHUMP00000033910 slow-twitch skeletal troponin I troponin I, skeletal, slow