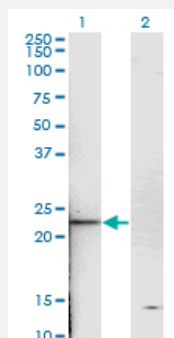


# TNNI2 monoclonal antibody (M05), clone 2D5

Catalog # H00007136-M05

Size 50 ug

## Applications

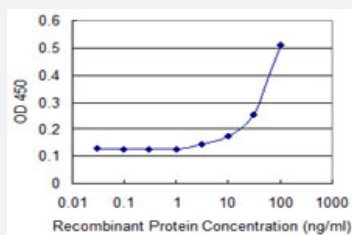


### Western Blot (Transfected lysate)

Western Blot analysis of TNNI2 expression in transfected 293T cell line by TNNI2 monoclonal antibody (M05), clone 2D5.

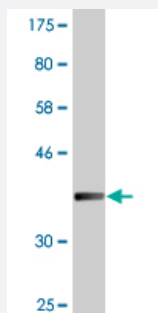
Lane 1: TNNI2 transfected lysate (21.3 kDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TNNI2 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 kDa).

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant TNNI2.

Immunogen	TNNI2 (NP_003273.1, 2 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GDEEKRNRAITARRQHLKSVMLQIAATELEKEESRREAQKQNYLAEHCPPLHIPGSMSEVQELCKQLHAKIDAAEEEEKYDMEVRVQKTSKELEDMNQKL
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of TNNI2 expression in transfected 293T cell line by TNNI2 monoclonal antibody (M05), clone 2D5.

Lane 1: TNNI2 transfected lysate(21.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TNNI2 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — TNNI2

Entrez GeneID [7136](#)

GeneBank Accession# [NM\\_003282](#)

Protein Accession#	<a href="#">NP_003273.1</a>
Gene Name	TNNI2
Gene Alias	AMCD2B, DA2B, FSSV
Gene Description	troponin I type 2 (skeletal, fast)
Omim ID	<a href="#">191043 601680</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene encodes a fast-twitch skeletal muscle protein, a member of the troponin I gene family, and a component of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, along with tropomyosin, is responsible for the calcium-dependent regulation of striated muscle contraction. Mouse studies show that this component is also present in vascular smooth muscle and may play a role in regulation of smooth muscle function. In addition to muscle tissues, this protein is found in corneal epithelium, cartilage where it is an inhibitor of angiogenesis to inhibit tumor growth and metastasis, and mammary gland where it functions as a co-activator of estrogen receptor-related receptor alpha. This protein also suppresses tumor growth in human ovarian carcinoma. Mutations in this gene cause myopathy and distal arthrogryposis type 2B. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000014141 OTTHUMP00000014142 troponin I fast twitch 2 troponin I, fast-twitch skeletal muscle isoform troponin I, skeletal, fast

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)