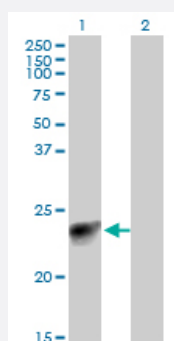


MYL3 monoclonal antibody (M12), clone 4C2

Catalog # H00004634-M12

Size 100 ug

Applications

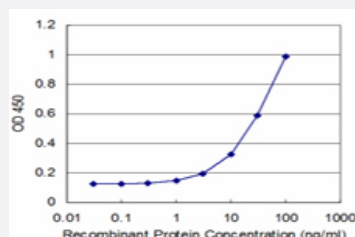


Western Blot (Transfected lysate)

Western Blot analysis of MYL3 expression in transfected 293T cell line by MYL3 monoclonal antibody (M12), clone 4C2.

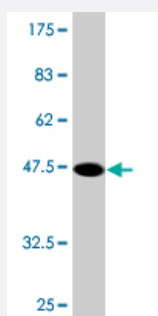
Lane 1: MYL3 transfected lysate (21.9 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MYL3 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (47.19 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant MYL3.

Immunogen	MYL3 (AAH09790, 1 a.a. ~ 195 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAPKKPEPKKDDAKAAPKAAPAPAPPPEPERPKEVEFDASKIKIEFTPEQIEEFKEAFMLFDRTPKCEMKITYGQCGLVLRALGQNPTQAEVLRVLGKPRQEELNTKMMDFETFLPMLQHISKNKDTGTYEDFVEGLRVFDKEGNGTVMGAELRHVLATLGERLTEDEVEKLMAGQEDSNGCINYEAFVKHIMSS
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47.19 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 MYL3 expression in transfected 293T cell line by MYL3 monoclonal antibody (M12), clone 4C2.

Lane 1: MYL3 transfected lysate(21.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MYL3 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MYL3

Entrez GeneID

[4634](#)

GeneBank Accession#	BC009790
Protein Accession#	AAH09790
Gene Name	MYL3
Gene Alias	CMH8, MLC1SB, MLC1V, VLC1
Gene Description	myosin, light chain 3, alkali; ventricular, skeletal, slow
Omim ID	160790 608751
Gene Ontology	Hyperlink
Gene Summary	MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both the ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identified as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq]
Other Designations	OTTHUMP00000165922 myosin, light polypeptide 3, alkali; ventricular, skeletal, slow slow skeletal ventricular myosin alkali light chain 3

Pathway

- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Cardiomegaly](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertrophy](#)
- [Lipid Metabolism](#)
- [Mitochondrial Myopathies](#)