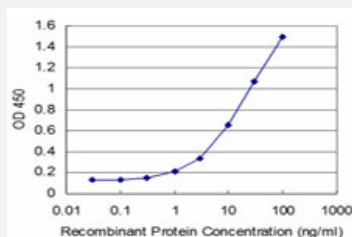


MEF2A monoclonal antibody (M09), clone 2G10

Catalog # H00004205-M09

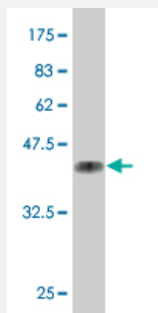
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MEF2A is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MEF2A.
Immunogen	MEF2A (AAH13437, 71 a.a. ~ 170 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EYNEPHESRTNSDMEALNKKEHRGCDSPDPDTSYVLTPTHTTEKYKKINEEFDNMMRNHKKIAPGLPPQNFMSVTVPTSPNALSNTNPGSSLVSPSLAA
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (69); Rat (100)
Isotype	IgG2a Lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MEF2A is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MEF2A

Entrez GeneID	4205
GeneBank Accession#	BC013437
Protein Accession#	AAH13437
Gene Name	MEF2A
Gene Alias	ADCAD1, RSRFC4, RSRFC9
Gene Description	myocyte enhancer factor 2A
Omim ID	600660 608320
Gene Ontology	Hyperlink

Gene Summary

The process of differentiation from mesodermal precursor cells to myoblasts has led to the discovery of a variety of tissue-specific factors that regulate muscle gene expression. The myogenic basic helix-loop-helix proteins, including myoD (MIM 159970), myogenin (MIM 159980), MYF5 (MIM 159990), and MRF4 (MIM 159991) are one class of identified factors. A second family of DNA binding regulatory proteins is the myocyte-specific enhancer factor-2 (MEF2) family. Each of these proteins binds to the MEF2 target DNA sequence present in the regulatory regions of many, if not all, muscle-specific genes. The MEF2 genes are members of the MADS gene family (named for the yeast mating type-specific transcription factor MCM1, the plant homeotic genes 'agamous' and 'deficiens' and the human serum response factor SRF (MIM 600589)), a family that also includes several homeotic genes and other transcription factors, all of which share a conserved DNA-binding domain.[supplied by OMIM]

Other Designations

MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)

Disease

- [Atherosclerosis](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Polycystic Ovary Syndrome](#)
- [Tobacco Use Disorder](#)