

MEF2A (Human) Cell-Based ELISA Kit

Catalog # KA2988

Size 1 Kit

Specification

Product Description	MEF2A (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of MEF2A expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — MEF2A

Entrez GeneID	4205
Protein Accession#	Q02078
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](#)