Myocyte-Specific Enhancer Factor 2d (MEF2D) ELISA Kit for Sheep

PRODUCT OVERVIEW

Product Name	Myocyte-Specific Enhancer Factor 2D (MEF2D), ELISA Kit
Full Product Name	Sheep Myocyte-Specific Enhancer Factor 2D (MEF2D) ELISA Kit
Product Gene Name	MEF2D elisa kit
Species Reactivity	Sheep
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	56,091 Da
3D Structure	ModBase 3D Structure for Q14814
Related Product Information for MEF2D elisa kit	MBS9917807 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Myocyte-Specific Enhancer Factor 2D (MEF2D) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing MEF2D. The ELISA analytical biochemical technique of the MBS9917807 kit is based on MEF2D antibody-MEF2D antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect MEF2D antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, MEF2D. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of MEF2D elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MEF2D. It may not necessarily be applicable to this product.

NCBI GI #	410442515
NCBI GeneID	4209
NCBI Accession #	NP_001258558.1
UniProt Primary Accession #	Q14814
UniProt Secondary Accession #	Q14815; Q5T9U5; Q5T9U6; D3DVC0
UniProt Related Accession #	Q14814
GenBank Nucleotide #	NM_001271629.1
NCBI Official Full Name	myocyte-specific enhancer factor 2D isoform 2
NCBI Official Synonym Full Names	myocyte enhancer factor 2D
NCBI Official Symbol	MEF2D
UniProt Protein Name	Myocyte-specific enhancer factor 2D
Protein Family	Myocyte-specific enhancer factor
UniProt Gene Name	MEF2D
NCBI Protein Information	myocyte-specific enhancer factor 2D

NCBI Summary for MEF2D	This gene is a member of the myocyte-specific enhancer factor 2 (MEF2) family of transcription factors. Members of this family are involved in control of muscle and neuronal cell differentiation and development, and are regulated by class II histone deacetylases. Fusions of the encoded protein with Deleted in Azoospermia-Associated Protein 1 (DAZAP1) due to a translocation have been found in an acute lymphoblastic leukemia cell line, suggesting a role in leukemogenesis. The encoded protein may also be involved in Parkinson disease and myotonic dystrophy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]
UniProt Comments for MEF2D	Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT]4TAR-3', found in numerous muscle-specific, growth factor- and stress-induced genes. Mediates cellular functions not only in skeletal and cardiac muscle development, but also in neuronal differentiation and survival. Plays diverse roles in the control of cell growth, survival and apoptosis via p38 MAPK signaling in muscle-specific and/or growth factor-related transcription. Plays a critical role in the regulation of neuronal apoptosis ().
Research Articles on MEF2D	**1.** Our study suggests that the MEF2D, PRDM16 and ASTN2 genes from GWAS are associated with migraine susceptibility, especially migraine without aura , among Chinese patients. It appears that there is no association with serotonin receptor related genes.
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