

Human Myocyte specific enhancer factor 2C (MEF2C) ELISA Kit | MEF2C elisa kit

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CATALOG #
AAA245407

REACTIVITY
Human

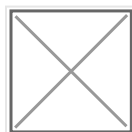
PRODUCT SYNONYMS

Myocyte specific enhancer factor 2C (MEF2C); Human Myocyte specific enhancer factor 2C (MEF2C) ELISA Kit; MEF2C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MEF2C elisa kit

Intended Uses: This MEF2C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MEF2C. This ELISA kit for research use only!

Principle of the Assay||MEF2C ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-MEF2C antibody and an MEF2C-HRP conjugate. The assay sample and buffer are incubated together with MEF2C-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MEF2C concentration since MEF2C from samples and MEF2C-HRP conjugate compete for the anti-MEF2C antibody binding site. Since the number of sites is limited, as more sites are occupied by MEF2C from the sample, fewer sites are left to bind MEF2C-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MEF2C concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MEF2C elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI

[19923215](#)

NCBI GeneID	4208
NCBI Accession #	NP_002388.2
NCBI GenBank Nucleotide #	NM_002397.4
Molecular Weight	50,242 Da
NCBI Official Full Name	myocyte-specific enhancer factor 2C isoform 1
NCBI Official Synonym Full Names	myocyte enhancer factor 2C
NCBI Official Symbol	MEF2C
NCBI Official Synonym Symbols	DEL5q14.3; C5DELq14.3
NCBI Protein Information	myocyte-specific enhancer factor 2C; MADS box transcription enhancer factor 2, polypeptide C
UniProt Protein Name	Myocyte-specific enhancer factor 2C
UniProt Gene Name	MEF2C
UniProt Entry Name	MEF2C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/myocyte-specific-enhancer-factor-2c-mef2c/245407>