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Product datasheet for EA200037

Human MEF2C ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	Human MEF2C ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	3.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	1.56-100ng/ml
Sample Type:	Human tissue homogenate, cell lysates and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of MEF2C
Sensitivity:	0.758ng/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	• MEF2C Monoclonal Antibody Coated 96-well Plate in foil pouch with desiccant|1 plate • Recombinant human MEF2C Standard (5µg/ml)|0.1 mL • 100x Biotin conjugated MEF2C Detection Antibody|0.12 mL • 100x SA-HRP Conjugate|0.12 mL • Assay Buffer|40 mL • Sample Diluent|30 mL • Wash Buffer Concentrate 20X|60 mL • TMB Substrate|12 mL • Stop Solution|12 mL • Plate Sealer|3 pieces

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Background: Myocyte-specific enhancer factor 2C (MEF2C) is a protein that in humans is encoded by the MEF2C gene. MEF2C is a transcription factor in the MEF2 family, which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. It is known to be localized in the nucleus and cytoplasm and is reported to be expressed in the brain and skeletal muscle. MEF2C is involved in cardiac morphogenesis, myogenesis and vascular development, neurogenesis and in the development of cortical architecture. The MEF2C has been associated with neurodevelopmental disorder with hypotonia, stereotypic hand movements, and impaired language. MEF2C is also involved in the development of various neuropsychiatric disorders, such as autism spectrum disorders (ASD), epilepsy, schizophrenia and Alzheimer's disease (AD). In addition, increasing evidences indicate that MEF2C acts as tumor-promoting or -suppressing proteins dependent on the type of cancer. High MEF2C expression has been linked to mixed lineage leukemia-rearranged acute myeloid leukemia as well as to the immature subgroup of T-cell acute lymphoblastic leukemia.

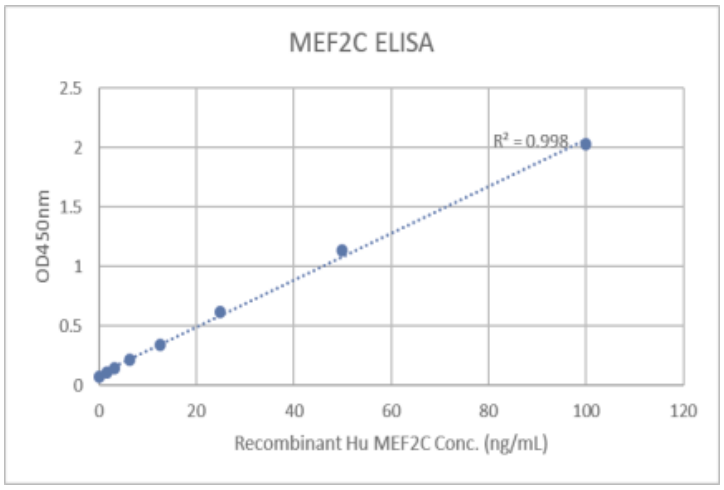
Gene Symbol: MEF2C

Gene ID: 4208

Standard Curve:

Data image of Human MEF2C ELISA Kit.

Product images:



Data image of Human MEF2C ELISA Kit.