

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

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CATALOG #
AAA246280

REACTIVITY
Canine

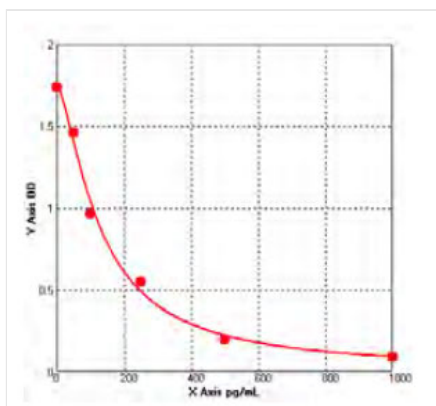
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of MEF2C. No significant cross-reactivity or interference between MEF2C and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MEF2C and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/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 Canine MEF2C. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MEF2C ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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/canine-elisa-kits/myocyte-specific-enhancer-factor-2c-mef2c/246280>