

Mouse Myogenin (MYOG) ELISA Kit | MYOG elisa kit

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CATALOG #
AAA137495

REACTIVITY
Mouse

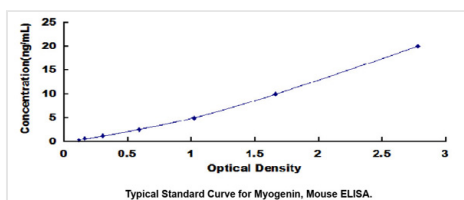
PRODUCT SYNONYMS

Myogenin (MYOG); Mouse Myogenin (MYOG) ELISA Kit; MYF4; bHLHc3; Myogenic Factor 4; Class C basic helix-loop-helix protein 3; MYOG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of myogenin. No significant cross-reactivity or interference between myogenin and analogues was observed.
Sequence Length	224
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.125ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level myogenin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level myogenin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYOG elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to myogenin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to myogenin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain myogenin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of myogenin in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of myogenin in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for MYOG elisa kit	Signal transduction; Cardiovascular biology; Developmental science; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	18765727
NCBI GeneID	4656
NCBI Accession #	NP_002470.2
NCBI GenBank Nucleotide #	NM_002479.5
UniProt Accession #	P15173; Q53XW6
Molecular Weight	25,037 Da
NCBI Official Full Name	myogenin
NCBI Official Synonym Full Names	myogenin (myogenic factor 4)
NCBI Official Symbol	MYOG
NCBI Official Synonym Symbols	MYF4; myf-4; bHLHc3
NCBI Protein Information	myogenin
UniProt Protein Name	Myogenin
UniProt Gene Name	MYOG
UniProt Synonym Gene Names	BHLHC3; MYF4; bHLHc3; Myf-4
UniProt Entry Name	MYOG_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.