

Rat Myogenin (MYOG) ELISA Kit | MYOG elisa kit

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CATALOG #
AAA245055

REACTIVITY
Rat

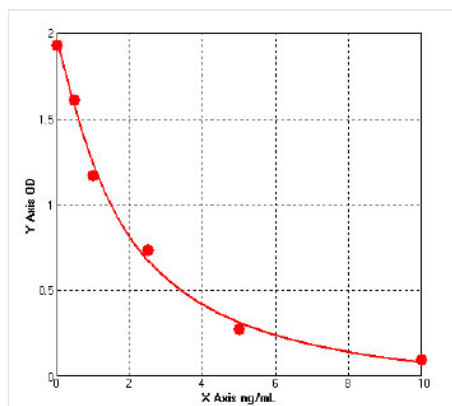
PRODUCT SYNONYMS

Myogenin (MYOG); Rat Myogenin (MYOG) ELISA Kit; MYOG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MYOG. No significant cross-reactivity or interference between MYOG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MYOG and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYOG elisa kit	Principle of the Assay: MYOG ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MYOG antibody and an MYOG-HRP conjugate. The assay sample and buffer are incubated together with MYOG-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 MYOG concentration since MYOG from samples and MYOG-HRP conjugate compete for the anti-MYOG antibody binding site. Since the number of sites is limited, as more sites are occupied by MYOG from the sample, fewer sites are left to bind MYOG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYOG concentration in each sample is interpolated from this standard curve. Intended Uses: This MYOG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MYOG. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for MYOG elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	18765727
NCBI GeneID	4656
NCBI Accession #	NP_002470.2
NCBI GenBank Nucleotide #	NM_002479.5
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; myogenic factor 4; class C basic helix-loop-helix protein 3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/myogenin-myog/245055>