

Mouse Myogenic Differentiation (MyoD) ELISA Kit | MyoD elisa kit

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CATALOG #
AAA68370

REACTIVITY
Mouse

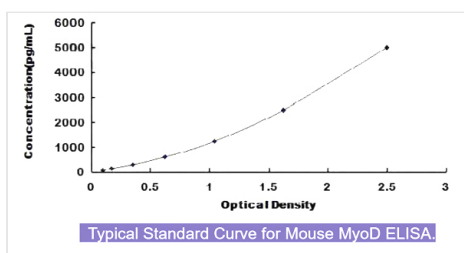
PRODUCT SYNONYMS

Myogenic Differentiation (MyoD); Mouse Myogenic Differentiation (MyoD) ELISA Kit; MYOD1; PUM; MYF3; bHLHc1; Myoblast Determination Protein 1; Myogenic Factor 3; Class C basic helix-loop-helix protein 1; MyoD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MyoD. No significant cross-reactivity or interference between MyoD and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates or other biological fluids
Detection Range	78.1-5000pg/mL
Sensitivity	< 29pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MyoD 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 MyoD were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MyoD elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MyoD. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MyoD. 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 MyoD, 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 MyoD 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 the in vitro quantitative measurement of MyoD in mouse serum, plasma, tissue homogenates or other biological fluids.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P10085
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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/mouse-elisa-kits/myogenic-differentiation-myod/68370>