

Human Myogenic Differentiation ELISA Kit | MyoD elisa kit

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CATALOG #
AAA87644

REACTIVITY
Human

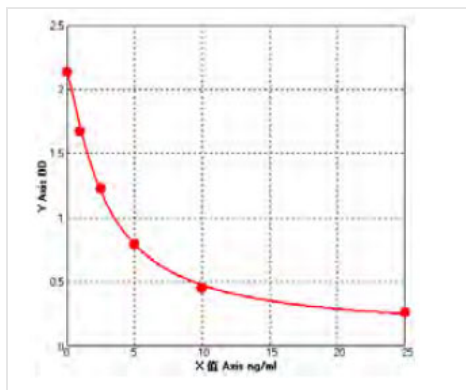
PRODUCT SYNONYMS

Myogenic Differentiation; Human Myogenic Differentiation ELISA Kit; MyoD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MyoD 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	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 MyoD elisa kit	Intended Uses: This MyoD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MyoD. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MyoD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MyoD antibody and an MyoD-HRP conjugate. The assay sample and buffer are incubated together with MyoD-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 MyoD concentration since MyoD from samples and MyoD-HRP conjugate compete for the anti-MyoD antibody binding site. Since the number of sites is limited, as more sites are occupied by MyoD from the sample, fewer sites are left to bind MyoD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MyoD concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MyoD elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	34862
NCBI GeneID	4654
UniProt Accession #	P15172; O75321
Molecular Weight	34,501 Da
NCBI Official Full Name	MyoD
NCBI Official Synonym Full Names	myogenic differentiation 1
NCBI Official Symbol	MYOD1
NCBI Official Synonym Symbols	PUM; MYF3; MYOD; bHLHc1
NCBI Protein Information	myoblast determination protein 1; myf-3; myogenic factor 3; class C basic helix-loop-helix protein 1
UniProt Protein Name	Myoblast determination protein 1
UniProt Gene Name	MYOD1
UniProt Synonym Gene Names	BHLHC1; MYF3; MYOD; bHLHc1; Myf-3
UniProt Entry Name	MYOD1_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/myod-human-elisa-kits/myogenic-differentiation/87644>