

Goat Myogenic Differentiation antigen ELISA Kit | MyoD elisa kit

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CATALOG # AAA91109	REACTIVITY Goat
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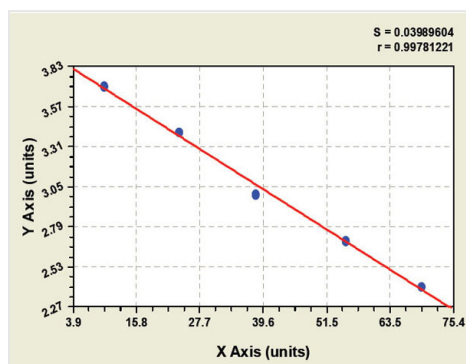
PRODUCT SYNONYMS

Myogenic Differentiation antigen; Goat Myogenic Differentiation antigen ELISA Kit; MyoD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This MyoD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat MyoD. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MyoD elisa kit	Principle of the Assay: MyoD ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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-goat-elisa-kits/myogenic-differentiation-antigen/91109>