

Chicken Myogenic Differentiation antigen ELISA Kit | MyoD elisa kit

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CATALOG #
AAA91605

REACTIVITY
Chicken

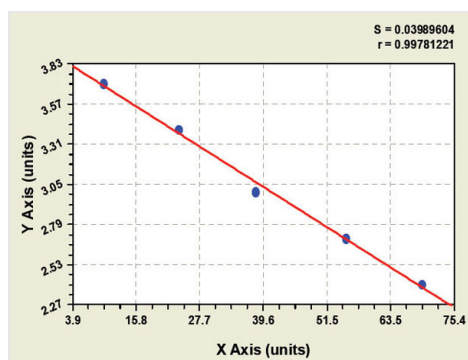
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/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

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This MyoD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken MyoD. This ELISA kit for research use only!

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.

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-chicken-elisa-kits/myogenic-differentiation-antigen/91605>