

Mouse Dystrophin ELISA Kit | DMD elisa kit

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CATALOG #
AAA83192

REACTIVITY
Mouse

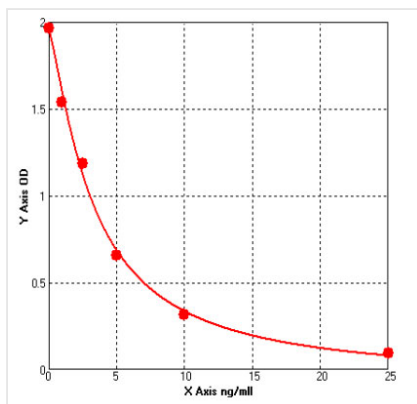
PRODUCT SYNONYMS

Dystrophin; Mouse Dystrophin ELISA Kit; DMD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DMD. No significant cross-reactivity or interference between DMD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DMD 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
Intended Uses	This DMD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse DMD. 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 DMD elisa kit	Principle of the Assay: DMD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DMD antibody and an DMD-HRP conjugate. The assay sample and buffer are incubated together with DMD-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 DMD concentration since DMD from samples and DMD-HRP conjugate compete for the anti-DMD antibody binding site. Since the number of sites is limited, as more sites are occupied by DMD from the sample, fewer sites are left to bind DMD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DMD concentration in each sample is interpolated from this standard curve. Intended Uses: This DMD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse DMD. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for DMD elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	181599
NCBI GeneID	1756
Molecular Weight	57,953 Da
NCBI Official Full Name	DMD
NCBI Official Synonym Full Names	dystrophin
NCBI Official Symbol	DMD
NCBI Official Synonym Symbols	BMD; CMD3B; MRX85; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272
NCBI Protein Information	dystrophin; mental retardation, X-linked 85
UniProt Protein Name	Dystrophin
UniProt Gene Name	DMD
UniProt Entry Name	DMD_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/dmd-mouse-elisa-kits/dystrophin/83192>