

Human Dystrophin ELISA Kit | DMD elisa kit

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CATALOG #
AAA84322

REACTIVITY
Human

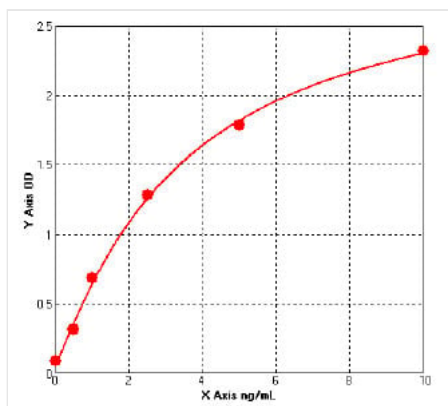
PRODUCT SYNONYMS

Dystrophin; Human Dystrophin ELISA Kit; DMD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
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 DMD elisa kit	Intended Uses: This DMD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DMD. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: DMD ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for DMD. Standards or samples are then added to the microtiter plate wells and DMD if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of DMD present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for DMD are added to each well to "sandwich" the DMD immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain DMD and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/dmd-human-elisa-kits/dystrophin/84322>