

Mouse Dystrophin (DMD) ELISA Kit | DMD elisa kit

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CATALOG #
AAA65697

REACTIVITY
Mouse

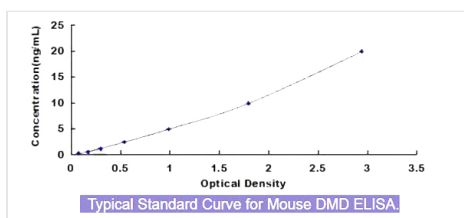
PRODUCT SYNONYMS

Dystrophin (DMD); Mouse Dystrophin (DMD) ELISA Kit; CMD3B; Muscular Dystrophy; Duchenne And Becker Types; 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.
Sequence Length	3678
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.108ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DMD were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DMD were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DMD elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DMD. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DMD. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DMD, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of DMD in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of DMD in mouse tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6681203
NCBI GeneID	13405
NCBI Accession #	NP_031894.1
NCBI GenBank Nucleotide #	NM_007868.6
UniProt Accession #	P11531; O35653; Q60703; A2A9Z0
Molecular Weight	425,832 Da
NCBI Official Full Name	dystrophin isoform 1
NCBI Official Synonym Full Names	dystrophin, muscular dystrophy
NCBI Official Symbol	Dmd
NCBI Official Synonym Symbols	dys; mdx; pke; Dp71; Dp427; DXSmh7; DXSmh9
NCBI Protein Information	dystrophin
UniProt Protein Name	Dystrophin
UniProt Gene Name	Dmd

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.