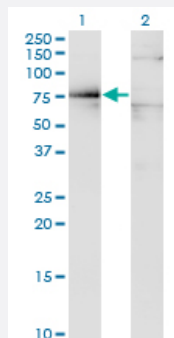


DMD monoclonal antibody (M07), clone 3A11

Catalog # H00001756-M07

Size 100 ug

Applications

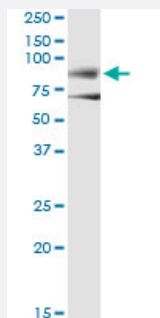


Western Blot (Transfected lysate)

Western Blot analysis of DMD expression in transfected 293T cell line by DMD monoclonal antibody (M07), clone 3A11.

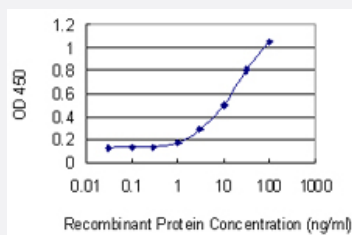
Lane 1: DMD transfected lysate (72.2 KDa).

Lane 2: Non-transfected lysate.



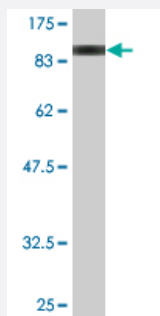
Immunoprecipitation

Immunoprecipitation of DMD transfected lysate using anti-DMD monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with DMD MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DMD is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (95.37 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant DMD.
Immunogen	DMD (AAH28720.1, 1 a.a. ~ 635 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MREQLKGHETQTTTCWDHPKMTELYQSLADLNNVRFSAYRTAMKLRRQLKALCLDLLSLSAACDA LDQHNLKQNDQPMQDILQIINCLTTIYDRLEQEHNNLVNPLCVDMLNWLNNVYDTGRTGRIRVLSF KTGIISLCKAHLEDKYRYLFKQVASSTGFCDQRRLLGILLHDSIQIPRQLGEVASFGGSNIEPSVRSC FQFANNKPEIEAALFLDWMRLPQSMVWLPVLHRVAAAETAKHQAKCNICKECPIIGFRYRSLKH FNYDICQSCFFSGRVAKGHKMHYPMVEYCTPTTSGEDVRDFAKVLKNKFRTRKRYFAKHPRMGYL PVQTVLEGDNMETPVTLINFWPVD SAPASSPQLSHDDTHSRIEHYASRLAEMENSNGSYLNDSSIS PNESIDDEHLLIQHYCQSLNQDSPLSQPRSPAQILISLESEERGELERILADLEEENRNLQAEYDRL KQQHEHKGLSPLPSPPEMMPTSPQSPRDAELIAEAKLLRQHKGRLEARMQILEDHNKQLESQHLH RLRQLLEQPQAEAKVNGTTVSSPSTSLQRS DSSQPMLLRVVGSQTSDSMGEEDLLSPPQDTST GLEEVMEQLNNSFPSSRGHNVGSLFHMADDLGRAMESLVSVMTDEEGAE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (95.37 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of DMD expression in transfected 293T cell line by DMD monoclonal antibody (M07), clone 3A11.

Lane 1: DMD transfected lysate(72.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of DMD transfected lysate using anti-DMD monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with DMD MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DMD is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — DMD

Entrez GeneID [1756](#)

GeneBank Accession# [BC028720](#)

Protein Accession# [AAH28720.1](#)

Gene Name DMD

Gene Alias BMD, CMD3B, DXS142, DXS164, DXS206, DXS230, DXS239, DXS268, DXS269, DXS270, DXS272

Gene Description dystrophin

Omim ID [300376](#) [300377](#) [302045](#) [310200](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The dystrophin gene is the largest gene found in nature, measuring 2.4 Mb. The gene was identified through a positional cloning approach, targeted at the isolation of the gene responsible for Duchenne (DMD) and Becker (BMD) Muscular Dystrophies. DMD is a recessive, fatal, X-linked disorder occurring at a frequency of about 1 in 3,500 new-born males. BMD is a milder allelic form. In general, DMD patients carry mutations which cause premature translation termination (nonsense or frame shift mutations), while in BMD patients dystrophin is reduced either in molecular weight (derived from in-frame deletions) or in expression level. The dystrophin gene is highly complex, containing at least eight independent, tissue-specific promoters and two polyA-addition sites. Furthermore, dystrophin RNA is differentially spliced, producing a range of different transcripts, encoding a large set of protein isoforms. Dystrophin (as encoded by the Dp427 transcripts) is a large, rod-like cytoskeletal protein which is found at the inner surface of muscle fibers. Dystrophin is part of the dystrophin-glycoprotein complex (DGC), which bridges the inner cytoskeleton (F-actin) and the extra-cellular matrix. [provided by RefSeq]

Other Designations

Duchenne muscular dystrophy protein|OTTHUMP00000023117|OTTHUMP00000023124|OTTHUMP00000023125|OTTHUMP00000023126|muscular dystrophy, Duchenne and Becker types

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Bone Marrow Diseases](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Diabetes Mellitus](#)
- [Duchenne muscular dystrophy](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Intelligence Tests](#)
- [Mental Retardation](#)

- [Muscular Dystrophies](#)
- [Muscular Dystrophy](#)
- [Neuropsychological Tests](#)
- [Ventricular Dysfunction](#)