

Datasheet for 200-301-P36**Dystrophin Antibody****Overview**

Description:	Anti-Dystrophin (MOUSE) Antibody - 200-301-P36
Item No.:	200-301-P36
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat, Rabbit
Host Species:	Mouse

Product Details

Background:	Dystrophin(DMD) gene has 79 exons spanning at least 2,300 kb (2.3 Mb). The C terminus of the dystrophin protein is encoded by a highly conserved, alternatively spliced region of the gene. beta-dystroglycan binding activity is expressed by the dystrophin fragment spanning amino acids 3026-3345 containing the ZZ domain. DMD transcript is formed by at least 60 exons; the first half of the transcript is formed by a minimum of 33 exons spanning nearly 1000 kb, and the remaining portion has at least 27 exons that may spread over a similar distance. Dystrophin gene is expressed at a higher level in primary cultures of neuronal cells than in astro-glial cells derived from adult mouse brain. overexpression of dystrophin prevents the development of the abnormal mechanical properties associated with dystrophic muscle without causing deleterious side effects. This antibody is suitable for researchers interested in Muscular Dystrophies and Dystrophin-Glycoprotein Complexes and cardiovascular research.
Synonyms:	BMD, CMD3B, DXS142, DXS164, DXS206, DXS230, DXS239, DXS268, DXS269, DXS270, DXS272
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	MANDYS8
Format:	IgG2b

Target Details

Gene Name:	DMD
Reactivity:	Human, Mouse, Rat, Rabbit

Immunogen Type:	Recombinant Protein
Immunogen:	Dystrophin antibody was produced in mice by repeated immunizations with recombinant protein corresponding to human dystrophin fragment.
Purity/Specificity:	Anti-Dystrophin antibody was purified from mouse ascites by protein A chromatography. This product reacts with human, mouse, rat, and rabbit. Cross reactivity with Dystrophin from other sources has not been determined.
Relevant Links:	• UniProtKB - P11532 • GeneID - 1756 • NCBI - NP_000100.2

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Dystrophin is tested for Immunohistochemistry -F and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~425 kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000
IHC:	1:100-1:500
WB:	1-2ug/ml

Formulation

Physical State:	Lyophilized
Concentration:	0.5mg/ml by UV absorbance at 280 nm
Buffer:	1.2% sodium acetate
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	2mg BSA
Reconstitution Volume:	200µL
Reconstitution Buffer:	Neutral PBS

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.