OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM20620PU-N

Dystrophin (DMD) Mouse Monoclonal Antibody [Clone ID: DYS-48]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DYS-48
Applications:	IHC, WB
Recommended Dilution:	**Western Blot:** 1-2 µg/ml. **Immunohistochemistry on Paraffin Sections:** 2-4 µg/ml (by Heat).
Reactivity:	Human, Mouse, Rat, Chicken, Rabbit
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human dystrophin fragment.
Specificity:	This antibody reacts to Dystrophin.
Formulation:	1.2% Sodium Acetate, with 2 mg BSA and 0.01 mg Sodium Azide as preservative. State: Purified State: Lyphilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0.1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dystrophin
Database Link:	Entrez Gene 13405 MouseEntrez Gene 24907 RatEntrez Gene 1756 Human P11532

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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.over expression of dystrophin prevents the development of the abnormal mechanical properties associated with dystrophic muscle without causing deleterious side effects.

Synonyms: BMD; CMD3B; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; dystrophin

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis