Dystrophin Antibody MANDYS8 / Mouse Monoclonal [clone MANDYS8] (R30032)

Catalog No.	Formulation	Size
R30032	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Rabbit
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	MANDYS8
Purity	Ascites
Gene ID	1756
Applications	Western blot: 1-2ug/ml IHC (FFPE): 2-4ug/ml
Limitations	This Dystrophin Antibody MANDYS8 is available for research use only.



Description

Dystrophin Antibody MANDYS8 detects Dystrophin (DMD). The 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 DMD antibody can be compared with our Dystrophin Antibody (clone DMD/3241) for analysis of dystrophin expression across muscle structure and neuromuscular disease studies.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Dystrophin Antibody MANDYS8 may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant human dystrophin fragment was used as the immunogen for this Dystrophin Antibody MANDYS8.

Storage

After reconstitution, the Dystrophin Antibody MANDYS8 can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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