Recombinant Dystrophin (DMD) (Marker of Duchenne and Becker Muscular Dystrophy) Antibody

Rabbit Monoclonal Antibody [Clone DMD/8773R]

Catalog No	Format	Size
1756-RBM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1756-RBM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1756-RBM10-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

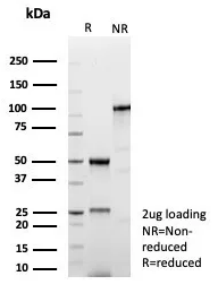
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

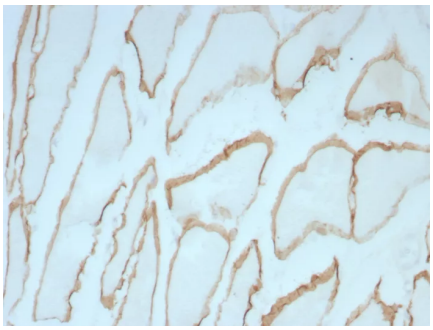
Clone	DMD/8773R
Gene Name	DMD
Immunogen	Recombinant fragment (around aa1700-2300) of human DMD (exact sequence is proprietary).
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	427kDa
Cellular Localization	Cell Surface. Cytoplasm.
Species Reactivity	Human
Positive Control	Human skeletal muscle and heart muscle tissues (IHC).

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Dystrophin (DMD) (Marker of Duchenne and Becker Muscular Dystrophy) Antibody



SDS-PAGE Analysis of Purified Dystrophin Recombinant Rabbit Monoclonal Antibody (DMD/8773R) Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human skeletal muscle stained with Dystrophin Recombinant Rabbit Monoclonal Antibody (DMD/8773R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Dystrophin-glycoprotein complex (DGC) connects the F-Actin cytoskeleton on the inner surface of muscle fibers to the surrounding extracellular matrix, through the cell membrane interface. A deficiency in this protein contributes to Duchenne (DMD) and Becker (BMD) muscular dystrophies. The human dystrophin gene measures 2.4 megabases, has more than 80 exons, produces a 14 kb mRNA and contains at least 8 independent tissue-specific promoters and 2 poly A sites. The dystrophin mRNA can undergo differential splicing and produce a range of transcripts that encode a large set of proteins. Dystrophin represents approximately 0.002% of total striated muscle protein and localizes to triadic junctions in skeletal muscle, where it is thought to influence calcium ion homeostasis and force transmission.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty