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

Mouse Monoclonal Antibody [Clone DMD/3677]

Catalog No	Format	Size
1756-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1756-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1756-MSM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

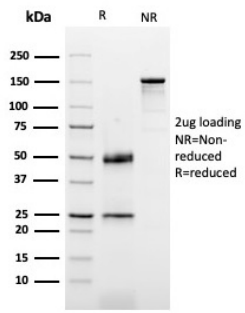
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

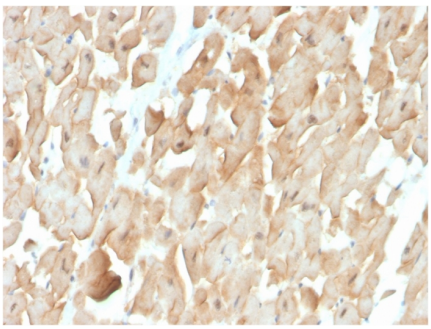
Clone	DMD/3677
Gene Name	DMD
Immunogen	A recombinant fragment (around aa 114-263) of human DMD protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	427kDa
Cellular Localization	Cell junction, Cell membrane, Cytoplasm, Cytoskeleton, Postsynaptic cell membrane, Sarcolemma, Synapse
Species Reactivity	Human
Positive Control	Human skeletal muscle and heart muscle tissues (IHC).

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

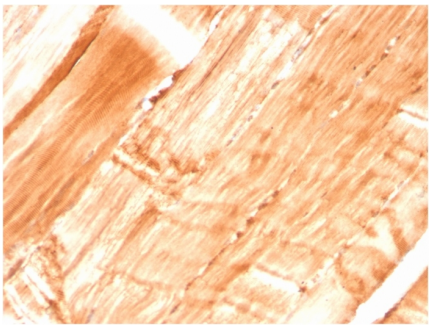
Product Images for Dystrophin (DMD) (Marker of Duchenne and Becker Muscular Dystrophy) Antibody



SDS-PAGE Analysis of Purified Dystrophin Monospecific Mouse Monoclonal Antibody (DMD/3677). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human skeletal muscle stained with Dystrophin Monospecific Mouse Monoclonal Antibody (DMD/3677).



Formalin-fixed, paraffin-embedded human skeletal muscle stained with Dystrophin Monospecific Mouse Monoclonal Antibody (DMD/3677).

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 with0.05% 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