

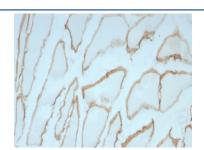
# Dystrophin Antibody / DMD [clone DMD/8773R] (V5340)

Catalog No.	Formulation	Size
V5340-100UG	0.2~mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5340-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5340SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

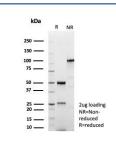
### Recombinant RABBIT MONOCLONAL

#### **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	DMD/8773R
Purity	Protein A/G affinity
UniProt	P11532
Localization	Cell surface, Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Dystrophin antibody is available for research use only.



IHC staining of FFPE human skeletal muscle tissue with Dystrophin antibody (clone DMD/8773R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Dystrophin antibody (clone DMD/8773R) as confirmation of integrity and purity.

### **Description**

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.

### **Application Notes**

Optimal dilution of the Dystrophin antibody should be determined by the researcher.

### **Immunogen**

A recombinant partial protein sequence (within amino acids 1700-2300) from the human protein was used as the immunogen for the Dystrophin antibody.

## **Storage**

Aliquot the Dystrophin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.