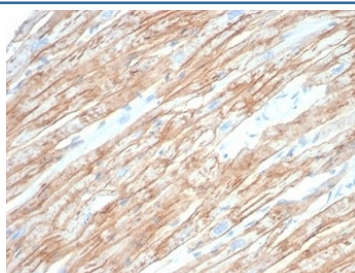


DMD Antibody / Dystrophin [clone DMD/6270] (V4009)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V4009-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4009-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4009SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

[Bulk quote request](#)

| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG2a, kappa |
| Clone Name | DMD/6270 |
| Purity | Protein A/G affinity |
| UniProt | P11532 |
| Localization | Cell surface, cytoplasm |
| Applications | Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This DMD antibody is available for research use only. |



IHC staining of FFPE human heart tissue with DMD antibody (clone DMD/6270). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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 DMD antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1700-2300 from the human Dystrophin was used as the immunogen for the DMD antibody.

Storage

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