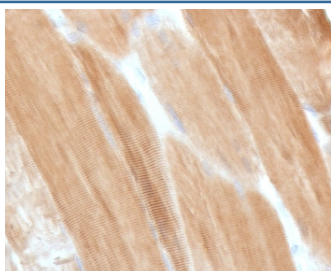


## Dystrophin Antibody / DMD [clone DSTN-1] (V7555)

| Catalog No.    | Formulation                                                                                     | Size   |
|----------------|-------------------------------------------------------------------------------------------------|--------|
| V7555-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V7555-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V7555SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                  | 100 ug |
| V7555IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

### Bulk quote request

|                    |                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                                                     |
| Species Reactivity | Human                                                                                                                 |
| Format             | Purified                                                                                                              |
| Clonality          | Monoclonal (mouse origin)                                                                                             |
| Isotype            | Mouse IgG1, kappa                                                                                                     |
| Clone Name         | DSTN-1                                                                                                                |
| Purity             | Protein G affinity chromatography                                                                                     |
| UniProt            | P11532                                                                                                                |
| Localization       | Cell surface, cytoplasmic                                                                                             |
| Applications       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT<br>Prediluted IHC Only Format : incubate for 30 min at RT (1) |
| Limitations        | This Dystrophin antibody is available for research use only.                                                          |



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

## Description

The DMD gene spans a genomic range of greater than 2 Mb and encodes a large protein containing an N-terminal actin-binding domain and multiple spectrin repeats. The encoded protein forms a component of the dystrophin-glycoprotein complex (DGC), which bridges the inner cytoskeleton and the extracellular matrix. Deletions, duplications, and point mutations at this gene locus may cause Duchenne muscular dystrophy (DMD), Becker muscular dystrophy (BMD), or cardiomyopathy. Alternative promoter usage and alternative splicing result in numerous distinct transcript variants and protein isoforms for this gene. [RefSeq]

## Application Notes

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

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Amino acids 114-263 from the human protein were used as the immunogen for the Dystrophin antibody.

## Storage

Store the Dystrophin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).