Dystrophin Antibody DSTN-1 / DMD Mouse Monoclonal [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
Host	Mouse
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 Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This Dystrophin Antibody DSTN-1 is available for research use only.



Dystrophin Antibody DSTN-1 Muscle IHC. Immunohistochemistry 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

Dystrophin Antibody DSTN-1 detects Dystrophin protein, encoded by the DMD gene. 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]

This DMD antibody can be compared with our Dystrophin Antibody (clone DMD/3241) for analysis of dystrophin expression across muscle structure and neuromuscular disease studies.

Application Notes

Optimal dilution of the Dystrophin Antibody DSTN-1 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 DSTN-1.

Storage

Store the Dystrophin Antibody DSTN-1 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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