Mouse Anti-Human Dysferlin Clone Ham1/7B6 mAb

Catalog No.	MONX10795	**Quantity:**	1 ml

Description: MONX10795 is recommended for use as part of a panel of antibodies in immunohistochemistry to direct genetic mutation analysis in the diagnosis and differentiation of the recessive muscular dystrophies. In particular, to identify dysferlinopathy (limb-girdle muscular dystrophy type 2B) and Miyoshi myopathy, where mutations in the *DYSF* gene or defective expression of dysferlin can occur. Reactive with the dysferlin molecule in human skeletal muscle. Also present in many non-muscle tissues.

Total Protein Conc.: 1.0 - 8.0 g/L. Refer to vial label for batch specific total protein concentration.

Antibody Concentration: Greater than or equal to 324.9 mg/L as determined by ELISA. Refer to vial label for batch specific Ig concentration.

Host: Mouse

Immunogen: Synthetic peptide containing amino acids 1999-2016 of the human dysferlin molecule.

Isotype: IgG_1

Positive Control: Normal skeletal muscle.

Formulation: MONX10795 is a lyophilized tissue culture supernatant containing 15mM sodium azide as a preservative. The user is required to reconstitute the contents of the vial with the correct volume of sterile distilled water as indicated on the vial label. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Reconstitution: Freeze specimen tissue blocks in isopentane chilled in liquid nitrogen (see Warnings and Precautions) for frozen tissue sections. The specimens do not require further fixation but should be embedded in OCT™ compound (Sakura, Product No. Tissue-Tek 4583). The recommended fixative is 10% neutral-buffered formalin for paraffin-embedded tissue sections.

Applications: The antibody can be used for immunohistochemistry on frozen and paraffin sections.

Application Notes:

Immunohistochemistry:
Frozen sections: Suggested dilution: 1:20 - 1:40 for 60 minutes at 25°C. This is provided as a guide and users should determine their own optimal working dilutions. MONX10795 requires the sections to be fixed in acetone/methanol at a ratio of 1:1 for 4 minutes at 25° C prior to incubation with the primary antibody.

Paraffin sections:
Suggested dilution: 1:20 - 1:40 for 60 minutes at 25°C. High temperature antigen retrieval using 0.01M citrate retrieval solution (pH 6.0) is recommended. This is provided as a guide and users should determine their own optimal working dilutions.

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Storage & Stability: Store unopened antibody at 2-4°C. Under these conditions, there is no significant loss in product performance up the expiry date indicated on the vial label. Do not use after expiration date indicated on the container label. The reconstituted antibody is stable for at least two months when stored at 2-4°C. For long term storage, it is recommended that aliquots of the antibody are stored frozen at -20°C (frost free freezers are not recommended). **Repeated freezing and thawing must be avoided.** Prepare working dilutions on the day of use. Return to 2-4°C immediately after use. Storage conditions other than those specified above must be verified by the user.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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