



## Monoclonal Antibody to **Dystrophin**

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to Dystrophin

#### Specific Reagents Supplied

□ 0.2 ml of anti Dystrophin, Concentrate

PRODUCT# IMI22052E (Concentrate)

---

**HOST SPECIES/SOURCE:** Mouse

**IMMUNOGEN:** Bacterial proteins

**IMMUNOGLOBULIN ISOTYPE:** IgG

**CLONE:** Dys1

#### **REACTIVITY**

Dystrophin is a protein associated with Duchenne and Becker (DMD/BMD) gene of muscular dystrophy. Dystrophin and its associated abnormalities are used to study and evaluate this type of muscular dystrophy. In DMD/BMD type of muscular dystrophy, dystrophine deficiency is often observed. This antibody reacts with skeletal, cardiac and smooth muscle dystrophin from various species such as human, mouse, rat, rabbit and dog.

**POSITIVE CONTROL TISSUE:** Muscle

**STAINING PATTERN:** Cytoplasmic staining

#### **PRODUCT FORMATS, DILUTION and INCUBATION**

This **affinity purified** monoclonal anti dystrophin antibody is provided in phosphate buffered saline pH 7.2 with bovine serum albumin and 0.05% sodium azide. This antibody is available in:

□ **0.2 ml Concentrate:** The suggested starting dilution for 30-minute incubation is 1:50 for paraffin sections and 1:100 for frozen sections. The ultimate working dilution and incubation time must be determined by the end user for the incubation time and the secondary reagents employed.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT detection systems. For less sensitive staining system systems the above dilution factors may vary and they should be determined by the end user for specific staining system employed.

#### **APPLICATIONS**

This antibody is intended for use in immunolocalization of dystrophin antigens in tissue by a variety of immunoassays such as Immunohistochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunohistochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative and /or quantitative localization of dystrophin antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

**CONTINUED OVER**



American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

### **SPECIAL USAGE GUIDANCE**

No-pre treatment is necessary, however, for best staining result **the use of Innovex STAT-Q staining system and Innovex Signal-Enhancing Wash Buffers** (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or tris buffers for the rinsing steps in between the incubation steps is **highly recommended**. The use of Innovex STAT-Q staining system and Innovex Signal Enhancing Wash Buffer **amplify staining signal, eliminate the need for enzyme digestion pre treatment or heat application** (retrieval procedure), **minimize false negative results, allows a 2-4 fold increase in primary antibody dilution and shortens the required incubation time for the primary antibodies without addition of any extra steps to immunostaining procedures.**

### **APPROPRIATE NEGATIVE CONTROL SERA for staining negative control slide**

Employ purified normal mouse sera free of immunoglobulin, concentration at 1-5 ug/ ml in place of primary antibody when staining negative control slides for this antibody. Observe the same incubation time for negative control sera and primary antibody.

### **SPECIES REACTIVITY**

This antibody's reactivity with human , mouse, rabbit, rat and dog tissue and cells has been substantiated. Other species reactivity may be determined by the end user.

### **STORAGE CONDITIONS**

Store in refrigerator at 2-8°C through expiration date noted on the vial.

### **IMPORTANT NOTE:**

**The interpretation of test results is the sole responsibility of the end user.**

***FOR IN VITRO RESEARCH USE ONLY***