



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## MOUSE ANTI-HUMAN DYSTROPHIN (C-TERMINAL)

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01191

**Species**  
Human

**Isotype**  
IgG1

### **Preparation**

**Immunogen:** The product was produced by repeated immunization of mice with a synthetic peptide corresponding to amino acids 3669 to 3685 of human dystrophin. Immunogen sequence is: S-S-R-G-R-N-T-P-G-K-P-M-R-E-D-T-M.

### **Specificity**

This antibody recognizes the C terminal portion of human dystrophin, a rod shaped protein critical to the anchoring of the muscle fiber cytoskeleton to the surrounding extracellular matrix. Mutation of the dystrophin gene can lead to muscular dystrophy. In IHC this antibody stains at the periphery of muscle fibers. We recommend the use of a sensitive detection system.

Reacts with: Rabbit, Hamster, Mouse, Rat, Dog, Chicken

Reacts weakly with: Pig

N.B. Antibody reactivity and working conditions may vary between species.

### **Formulation**

**Product Type:** Monoclonal Antibody

**Product Form:** Tissue Culture Supernatant - lyophilized

**Reconstitution:** Reconstitute with 2.5ml distilled water

**Preservative & Stabilizers:** 0.09% Sodium azide

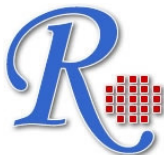
### **Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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## Applications

**Table Summary of antibody applications and working conditions**

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA (Direct)			.	
Western Blotting (2)	.			
Immunohistology - frozen	.			Neat - 1/20
Immunohistology - paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Radio Immunoassays			.	
Immunofluorescence staining			.	
Functional Assays			.	

Note (1) Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

(2) A single band is observed at approximately 400 kD

## Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

## References

1. Monaco, A.P. *et al.* (1986) Isolation of candidate cDNAs for portions of the Duchenne muscular dystrophy gene. *Nature*. 323: 646-650.
2. England, S.B. *et al.* (1990) Very mild muscular dystrophy associated with the deletion of 46% of dystrophin. *Nature*. 343: 180-182.
3. Nicholson, L.V. *et al.* (1990) Heterogeneity of dystrophin expression in patients with Duchenne and Becker muscular dystrophy. *Acta Neuropathol. (Berl)*. 1990: 80: 239-250.

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