



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## MOUSE ANTI HUMAN ALPHA ACTIN(SARCOMERIC)

With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-00015

**Species**  
Human

**Isotype**  
IgM

### **Preparation**

**Immunogen:** Purified rabbit skeletal muscle Actin

### **Formulation**

**Product Type:** Monoclonal Antibody

**Product Form:** Ready for use

**Preservative & Stabilizers:** 0.09% Sodium Azide ( $\text{NaN}_3$ ), 0.5% Bovine Serum Albumin

### **Specificity**

DS-MB-00015 recognizes alpha skeletal and alpha cardiac actins (the sarcomeric actins). No reactivity with smooth muscle actin is seen.

**Immunohistology:** This product does not require protein digestion pretreatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections. Staining of formalin fixed paraffin embedded tissues may be improved in some cases by the use of antigen retrieval techniques.

**Species Cross Reactivity:** Reacts with: Broad \* Antibody reactivity and working conditions may vary between species.

### **Storage**

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of despatch.

**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**

<b>Options Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA			• .	
Western Blotting			• .	
Immunohistology – frozen (1)	•			Neat
Immunohistology – paraffin (1)	•			Neat
Immunoprecipitation			• .	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.  
(1) Histology Positive Control: Heart, Striated muscle

### Secondary Antibody Applications

<b>Options Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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