



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## MOUSE ANTI HUMAN F-ACTIN

With HRP-conjugated Streptavidin

**Catalog No.**  
DS-MB-00021

**Species**  
Human & Rabbit

**Isotype**  
Mouse IgM

### Preparation

**Immunogen:** Human monocytes and U937 cell line

**Purification:** Purified IgM prepared from tissue culture supernatant

**Fusion Partners:** Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

### Specificity

This product recognizes human Filamentous actin (F-actin). The antibody binds to the N-terminal region of actin, but not to the extreme N-terminal 40 amino acids.

In tissue sections the antibody stains the cytoplasm of macrophages strongly, and gives granular, localized nuclear staining of all cell types.

### Formulation

**Product Form:** Purified IgM – liquid

**Buffer Solution:** Phosphate buffered saline pH7.4

**Preservative & Stabilisers:** 0.09% Sodium Azide

**Approx. Protein Concentrations:** IgM concentration 1.0 mg/ml

### Storage

Store at +4°C or at -20°C if preferred. 18 months shelf life.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

**Please avoid freeze-thaw cycles.**

**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	.			
Immunohistology - paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry	.			1 : 10
Immunofluorescence staining			.	
Neutralization			.	

**Note:** Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

### 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

### Reference

Dransfield, I. et al. (1988) Initial characterization of an anti-actin monoclonal antibody (NH3). Biochem. Soc. Trans. 16: 163-164

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