



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Mouse Anti Human Cytokeratin

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01087

**Target Species**  
Human

**Isotype**  
IgG1

### **Description**

**Description:** Mouse Anti Human Cytokeratin (PAN)

**Immunogen:** Human epidermal keratins

**Specificity:** DS-MB-01087 is a pan-cytokeratin reagent, being a cocktail of clones which provides the broadest spectrum of reactivity to the 19 known human epidermal keratins. It produces positive staining in virtually all epithelia.

**Species Cross Reactivity:** Reacts with: Shrew, Macaque monkey, Pig, Mouse. Antibody reactivity and working conditions may vary between species.

**Immunohistology:** \*This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.

**Histology Positive Control Tissue:** Human skin

### **Formulation**

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG – liquid

**Format:** Concentrate

**Buffer Solution:** Phosphate buffered saline

**Preservative & Stabilizers:** 0.09% Sodium Azide, 1% Bovine Serum Albumin

**Fusion Partners:** Spleen cells from immunized BALB/c mice were fused with cells of the NS1/Ag4.1 myeloma cell line.

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



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### 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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

### Applications

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

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Western Blotting			•	
Immunohistology - frozen	•			1/10 - 1/40
Immunohistology - paraffin	•			1/10 - 1/40
Immunohistology - resin			•	
Immunoprecipitation			•	
Immunofluorescence staining			•	
Flow Cytometry(*)			•	

**Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application. Special conditions apply. - See [\*]**

### Secondary Antibody Applications

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

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## References

1. Smith, K. J. *et al.* (1998) Sensitivity of cross-reacting anti-human antibodies in formalin-fixed porcine skin: including antibodies to proliferation antigens and cytokeratins with specificity in the skin. *J. Dermatol. Sci.* 18: 19-29.
2. Tsubura, A. *et al.* (1991) Immunophenotypic difference of Keratin expression in normal mammary glandular cells from five different species. *Acta. Anat.* 140: 287 - 293.

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