



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human Cytokeratin (pan)

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01090

Target Species
Human

Isotype
IgG1

Preparation

Immunogen: Human epidermal keratins

Specificity

DS-MB-01090 is a pan-cytokeratin reagent, 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 Mouse, Pig, Macaque, Shrew

* Antibody reactivity and working conditions may vary between species.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3), 1% Bovine Serum Albumin

Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			1/10 - 1/40
Immunohistology - Paraffin(1)	•			1/10 - 1/40
Immunohistology - Resin			•	
Western Blotting			•	
Elisa			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined.

(1) Histology Positive Control Tissue Human Skin. This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.

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



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Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

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.

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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