



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-01085

Target Species
Human

Isotype
IgG1

Description

Description: Mouse Anti Human Cytokeratin

Immunogen: Human keratin isolated from epidermal stratum corneum

Specificity: DS-MB-01085 reacts with cytokeratin polypeptides No 1, 2, 5, 6, 7, 8, 11, 14, 16, 17 and 18. In tissue sections it binds to cells of epithelial origin; non-epithelial cells and skin based layer cells are negative. It has also been shown to stain neoplastic cells of epithelial origin. Reported as being suitable for use in Western blotting. The molecular weight of the recognized antigen is 56kDa.

Species Cross Reactivity: Reacts with: Cynomolgus monkey, Macaque monkey, Antibody reactivity and working conditions may vary between species.

Immunohistology: This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections. However, if using a ventana autostainer, heat mediated pre-treatment with EDTA pH8.0 is recommended.

Histology Positive Control Tissue: Human kidney

Formulation

Preparation: Purified IgG prepared by affinity chromatography on Protein A

Product Type: Monoclonal Antibody

Product Form: Purified IgG – liquid

Buffer Solution: Phosphate buffered saline

Preservative & Stabilizers: 0.09% Sodium Azide, 0.2% 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, DO NOT FREEZE.

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

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	•			1/50
Immunohistology - paraffin	•			1/50
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.

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

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4. Tsubura, A. *et al.* (1991) Immunophenotypic difference of Keratin expression in normal mammary glandular cells from five different species. *Act. Anat.* 140: 287-293.
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