



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human Cytokeratin 19

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01109

Target Species
Human

Isotype
IgG2a

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Immunogen: Human breast cancer cell line MCF-7.

Formulation

Product Type: Monoclonal Antibody
Product Form: Purified IgG - liquid
Buffer Solution: Phosphate buffered saline
Preservative Stabilizers: 0.09% Sodium Azide
Approx. Protein Concentrations: 1.0 mg/ml

Specificity

DS-MB-01109 is specific for the rod domain (aa 312-335) of human keratin 19. Keratin 19 is involved in the organization of myofibers. Together with keratin 8, it helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology – Paraffin (1)	•			1/100 - 1/200
Immunofluorescence	•			
ELISA	•			
Western Blotting (2)	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined.
(1) This product requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase. Histology Positive Control Tissue: Appendix
(2) In Western blotting 40 kD and 19 kD bands are observed.

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)	•			1:5000-1:10000

Reference

1. Karsten, U. *et al.* (1985) Monoclonal anti-cytokeratin antibody from a hybridoma clone generated by electrofusion. *Eur. J. Cancer Clin. Oncol.* 21 (6): 733-740.
2. Kasper, M. *et al.* (1987) Histological evaluation of three new monoclonal anti-cytokeratin antibodies.
1. Normal tissues. *Eur. J. Cancer Clin. Oncol.* 23(2): 137-147.
3. Goletz, S. *et al* (1997) Novel α GalNAc containing glycans on cytokeratins are recognized in vitro by galectins with type II carbohydrate recognition domains. *J. Cell Science* 110, 1585-1596.

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.

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