



## 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-01111

**Target Species**  
Human

**Isotype**  
IgG1

### Preparation

Purified IgG prepared by affinity chromatography on Protein A

**Immunogen:** Mammary organoids

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilizers:** 0.09% Sodium Azide

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

### Specificity

DS-MB-01111 recognizes the 40kD cytokeratin corresponding to cytokeratin 19.

Cytokeratin 19 is expressed by many simple and non-keratinizing normal and neoplastic epithelia, including glandular and ductal epithelia.

### Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			
Immunohistology – Paraffin (1)	•			1/50 - 1/100
Immunohistology - Resin			•	
ELISA			•	

**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: Normal breast.

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



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### Secondary Antibody Applications

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

### Reference

1. Bartek, J. et al. (1985) A subclass of luminal epithelial cells in the human mammary gland, defined by antibodies to cytokeratins. J. Cell. Sci. 75: 17-33.
2. Bartek, J. et al. (1985) Patterns of expression of keratin 19 as detected with monoclonal antibodies in human breast tissues and tumors. Int. J. Cancer. 36: 299-306.

### 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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