



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## MOUSE ANTI-HUMAN CYTOKERATIN 16

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01103

**Target Species**  
Human

**Isotype**  
IgG1

### Preparation

**Immunogen:** Synthetic peptide derived from C-terminus of human cytokeratin 16.

**Fusion Partners:** Spleen cells from immunized mice were fused with cells of the mouse SP2/0-Ag14 myeloma cell line.

### Specificity

DS-MB-01103 recognizes human cytokeratin 16, expressed in areas where there is high turnover of keratinocytes. Cytokeratin 16 expression is particularly pronounced in conditions such as wound healing, psoriasis and also in some carcinomas such as basal cell carcinoma.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Tissue Culture Supernatant - liquid

**Preservative Stabilizers:** 0.09% Sodium Azide

### Applications

| Options<br>Functions             | YES | NO | Not determined | Recommended<br>Work dilution or<br>concentration |
|----------------------------------|-----|----|----------------|--|
| Elisa                            |     |    | •              |  |
| Immunohistology -<br>Paraffin(1) | •   |    |                | 1:20 – 1:40                                      |
| Immunohistology -<br>Frozen      | •   |    |                | 1:20 – 1:40                                      |
| Immunohistology -<br>Resin       |     |    | •              |  |
| Western Blotting                 |     |    | •              |  |

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium Citrate buffer pH6.0 is recommended for this purpose. Non-melanocytic skin cancer, basal cell carcinoma

**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<br>Work dilution or<br>concentration |
|---|-----|----|----------------|--|
| Immunoassay (ELISA,<br>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:** 12 months from date of dispatch.

### Reference

1. Markey, A.C. et al. (1992) Keratin expression in basal cell carcinomas. Br. J. Dermatol. 126: 154-160.
2. Wetzels, R.H.W. et al. (1991) Basal cell-specific and hyperproliferation related keratins in human breast cancer. Am. J. Pathol. 138: 751-763.

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