



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

# Certificate of Analysis and Data Sheet

## Mouse Anti-Human Cytokeratin 18

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01108

**Species**  
Human

**Isotype**  
IgG1

### Preparation

**Synonyms:** CYK18

**Immunogen:** Human A-431 and MCF-7 cell lines

### Specificity

DS-MB-01108 recognizes human cytokeratin 18, a 45 kD member of the acidic family of Cytokeratins. Cytokeratin 18 is often expressed in combination with cytokeratin 8. This antibody stains a range of simple epithelial, but not stratified squamous epithelia.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Ready To Use

**Buffer Solution:** Phosphate buffered saline pH7.3

**Preservative Stabilizers:** 0.09% Sodium Azide (NaN<sub>3</sub>), 0.05% Bovine Serum Albumin

### Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			Neat
Immunohistology - Paraffin(1)	•			Neat
Immunohistology - Resin			•	
Immunofluorescence	•			

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

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

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



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

### 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.

#### **DO NOT FREEZE.**

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

**Shelf Life:** 18 months from date of dispatch.

### Reference

1. Eto, H. *et al.* (2000) Mapping and regulation of the Tumor-associated epitope recognized by monoclonal antibody RS-11. *J. Biol. Chem.* 275: 27075-27083.
2. Macfarlane, M. *et al.* (2000) Active caspases and cleaved cytokeratins are sequestered into cytoplasmic inclusions in TRAIL-induced Apoptosis. *J. Cell. Biol.* 148: 1239-1254.
3. Holliday, D. *et al.* (2009) Novel multicellular organotypic models of normal and malignant breast: tools for dissecting the role of the microenvironment in breast cancer progression. *Breast Cancer Res* 11: R3

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