



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Mouse Anti-Human CA19-9 With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-00172

**Target Species**  
Human

**Isotype**  
IgG1

### Preparation

**Immunogen:** SW1116 human colorectal cancer cells

### Specificity

DS-MB-00172 is a carbohydrate antigenic determinant identified as a sialylated lacto-N-fucopentose II, an oligosaccharide biochemically related to the Lewis A blood group antigen.

In malignant tissues positive staining of tumour cells is observed in most adenocarcinomas of the pancreas and stomach, and in a large proportion of colon and gall bladder tumours. The antigen is also expressed in approximately half of primary and metastatic ovarian tumours.

In normal tissues positive staining is also observed in columnar epithelium of the pancreas stomach, liver, gall bladder and in bronchial glands of the lung.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilizers:** 0.09% Sodium Azide (NaN<sub>3</sub>), 1% Bovine Serum Albumin

### Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology – Frozen (1)	•			1:10 – 1:40
Immunohistology – Paraffin (2)	•			1:10 – 1:40
Immunohistology - Resin			•	

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

(1) Histology Positive Control Tissue: Adenocarcinoma of colon.

(2) This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

**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)	•			1:5,000-1:10,000

### 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.

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