



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## MOUSE ANTI HUMAN CA125

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-00169

**Species**  
Human

**Isotype**  
IgG1

### **Preparation**

**Immunogen:** OVCA433 ovarian cancer cell line

### **Specificity**

The CA-125 antigen is present on a mucin-like glycoprotein of >200kD. This antibody reacts with an antigen common to most non-mucinous epithelial ovarian carcinomas. Staining is positive in serous and endometrioid adenocarcinomas, Krukenberg's tumour and uterine myoma. Mucinous tumours and normal ovarian epithelium are negative. CA125 is detectable on the apical surface of normal endometrium and endocervix.

**Immunohistology:** This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.

**Histology Positive Control Tissue:** Glandular endocervix

### **Formulation**

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline

**Preservative & Stabilizers:** 0.09% Sodium Azide, 1% Bovine Serum Albumin

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

### **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 protein. Should this product contain a precipitate we recommend microcentrifugation before use.

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



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## Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			.	
Western Blotting			.	
Immunohistology - frozen	.			Neat
Immunohistology - paraffin	.			Neat
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry			.	
Immunofluorescence staining			.	
Neutralization			.	

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

## Secondary Antibody Applications

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

## Reference

- 1) Lhotta, K. *et al.* (1996) Glomerular deposition of the complement C4 isotypes C4A and C4B in glomerulonephritis. *Nephrol Dial Transplant.* 11: 1024-1028.
- 2) O'Neill, G.J. *et al.* (1978) Two HLA-linked loci controlling the fourth

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