



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
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Mouse Anti Human Cancer Antigen CA125 (Ovarian Cancer)

Catalog No.	Species	Isotype
MD-16-0009	Human	IgG ₁

Preparation

Host Animal:	Mouse. Hybridization of NSO myeloma cells with spleen cells from Balb/c mice.
Source:	Cell culture
Immunogen:	Partially purified mucin fraction from ascites of patients with epithelial ovarian cancer
Purification:	Protein A Chromatography.

Specificity

This product recognizes B-domain (M11-like) in the protein core of the CA125 ovarian cancer antigen. According to the ISOBM TD-1 workshop, CA125 contains three antigenic domains: A-domain (Ov125), B-domain (M11), C-domain (Ov197).

Formulation

Format:	Purified, Liquid
Concentration:	2.5mg/ml (OD280nm, E ^{0.1%} = 1.35)
Affinity Constant:	Not determined
Buffer:	0.15M Sodium chloride
Preservative:	None

Storage

Short-term (up to 2 months) store at -20°C; Long term (>2 months) store at -40°C.

Avoid multiple freeze/thaw cycles.

Centrifuge before opening to ensure complete recovery of vial contents.

**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
Email: info@raybiotech.com

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Western Blotting			•	
immunohistochemistry (frozen or paraffin)	•			
EIA			•	
Flow Cytometry			•	
Immunofluorescence staining			•	
Competitive RIA			•	

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

QC Information

IgG >99% of total peak area (Superdex 200 gel chromatography on ÄktaFPLC).

References

1. Nilsson, O., Proc from the 20th annual ISOBM Meeting, 6-10 Sept. 1992, Sapparo, Japan, p86.
2. Hilgers, J., ISOBM "TD" Workshop. XXII International Society for Oncodevelopment Biology and Medicine, Groningen 1994.

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