



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-00196

Species
Human

Isotype
IgG1

Preparation

Ion Exchange chromatography

Synonyms: CA125

Immunogen: Native CA-125 (Mucin-16).

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG – liquid

Buffer Solution: 20 mM Tris-phosphate, 100 mM NaCl.

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Specificity

DS-MB-00196 is specific for Ovarian Cancer Antigen CA-125, also known as Mucin-16. Clone X75 recognizes epitope specificity group B (ISOBM classification) similar to M-11.

Mucin 16 is a serum marker, overexpressed in epithelial ovarian cancer cells and is routinely used for patient monitoring. CA-125 was originally identified by Bast et al. using a monoclonal antibody developed against the ovarian cancer cell line OVCA433.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

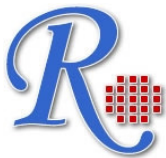
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

References

1. Yin, B.W. and Lloyd, K.O. (2001) Molecular cloning of the CA125 ovarian cancer antigen: identification as a new mucin, MUC16. *J Biol Chem.* 276: 27371-27375.
2. Yin BW. *et al.* (2002) Ovarian cancer antigen CA125 is encoded by the MUC16 mucin gene. *Int J Cancer.* 98: 737-740.
3. Bast, R.C. Jr., *et al* (1981) Reactivity of a monoclonal antibody with human ovarian carcinoma. *J Clin Invest.* 68: 1331-1337.

**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
Immunohistology - Frozen			•	
Immunohistology – Paraffin			•	
Immunohistology - Resin			•	
Western Blotting	•			
ELISA	•			

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

Secondary Antibody Applications

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

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