

Datasheet: MCA2876

BATCH NUMBER 158570

Description:	MOUSE ANTI HUMAN CA125
Specificity:	CA125
Other names:	MUCIN 16
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	X325
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by ion exchange chromatography
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	CA125 antigen purified from human ovarian carcinoma.
External Database Links	<p>UniProt: Q8WXI7 Related reagents</p> <p>Entrez Gene: 94025 MUC16 Related reagents</p>
Synonyms	CA125
RRID	AB_2075122
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.
Specificity	<p>Mouse anti Human CA125 antibody, clone X325 recognizes the ovarian cancer mucin CA125 (also known as MUCIN 16). CA125 consists of a short cytoplasmic tail, a transmembrane domain and an exceptionally large glycosylated extracellular domain. The extracellular domain is dominated by a large number of 156-amino acid repeat units, over 60 in all. These repeats are known to bind the antibodies OC125 and M-11. CA125 is present within normal ovarian, endometrium, endocervix and fallopian tissue, but levels are elevated in over 90% of women with advanced ovarian cancer. CA125 levels may also be elevated in other cancers and non-cancerous conditions such as peritonitis, endometriosis and liver cirrhosis. Levels may also fluctuate during the menstrual cycle and occasionally increases in pregnancy, making CA125 an unreliable marker for ovarian cancer in premenopausal women. The function of CA125 in healthy tissue is unknown but it is thought to provide a protective lubricating barrier against particles and infectious agents at mucosal surfaces.</p> <p>CA125 was concluded by the International Society of Oncology and BioMarkers (ISOBM) to contain two major antigenic domains. Mouse anti Human CA125 antibody, clone X325 recognizes the epitope specificity group B, similar to the M-11 antibody (Nustad et al. 2002). Mouse anti Human CA125 antibody, clone X325 has been successfully as both a capture and detection reagent in the development of sensitive ELISA assays for the detection of CA125 antigen in human plasma samples.</p>
Histology Positive Control Tissue	Lung adenocarcinoma, serosal ovarian adenocarcinoma and urinary bladder adenocarcinoma tissue.
References	1. Nustad, K. <i>et al.</i> (2002) Epitopes on CA 125 from cervical mucus and ascites fluid and characterization of six new antibodies. Third report from the ISOBM TD-1 workshop. Tumour Biol. 23: 303-14.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for

short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10057 available at: https://www.bio-rad-antibodies.com/SDS/MCA2876 10057
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

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Printed on 14 Mar 2025