

Mouse anti-Human CA125 Monoclonal Antibody | anti-CA125 antibody

MOUSE ANTI HUMAN CA125

CATALOG # AAA49547	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
------------------------------	----------------------	----------------------------	--

PRODUCT SYNONYMS

CA125; Monoclonal Antibody; MOUSE ANTI HUMAN CA125; MUCIN 16; anti-CA125 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	X75
Specificity	Mouse anti Human CA125 antibody, clone X75 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. CA125 was concluded by the International Society of Oncology and BioMarkers (ISOBM) to contain two major antigenic domains. Mouse anti Human CA125 antibody, clone X75 recognizes the epitope specificity group B, similar to the M-11 antibody (Nustad et al. 2002). Mouse anti Human CA125 antibody, clone X75 has been used successfully as both a capture and detection reagent in the development of sensitive ELISA assays for the measurement of CA125 antigen in human plasma samples.
Purity/Purification	Purified IgG prepared by ion exchange chromatography
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Applicable Applications for anti-CA125 antibody	WB (Western Blot), ELISA
Target Species	Human
Immunogen	CA125 antigen purified from human ovarian carcinoma.
Buffer Solution	TRIS buffered saline
Preservative Stabilizers	0.09% Sodium Azide (NaN ₃)
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.
Preparation and Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83367077
NCBI GeneID	94025
NCBI Accession #	NP_078966.2
NCBI GenBank Nucleotide #	NM_024690.2
UniProt Accession #	Q8WXI7; Q6ZQW5; Q96RK2
NCBI Official Full Name	mucin-16
NCBI Official Synonym Full Names	mucin 16, cell surface associated
NCBI Official Symbol	MUC16
NCBI Official Synonym Symbols	CA125
NCBI Protein Information	mucin-16; CA125 ovarian cancer antigen; ovarian cancer-related tumor marker CA125; ovarian carcinoma antigen CA125
UniProt Protein Name	Mucin-16
UniProt Gene Name	MUC16
UniProt Synonym Gene Names	CA125; MUC-16; CA-125
UniProt Entry Name	MUC16_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/ca125-antibody-clone-x75-western-blot-elisa/49547>