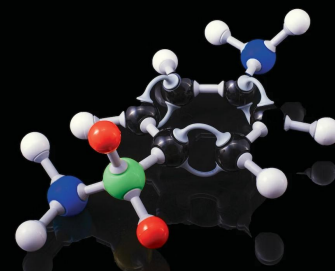




CA 125 (Ovarian Cancer Antigen)

Who are we?

Established in 1999 in Mumbai, Yashraj Biotechnology Ltd. (YBL), is a research and innovation driven Biotechnology Company. YBL started its operations in niche diagnostic reagents (native antigens) and has since expanded its product range to provide end-to-end solutions to our customers in life-sciences, diagnostics.



About the Product

CA 125

CA 125 is an ovarian cancer-related tumour marker. It falls under the mucin family of glycoproteins and is also known as Mucin-16 (MUC-16). It has 24% carbohydrate, with mannose as the main sugar complex, and a molecular mass of 400 KD. In humans, CA 125 is encoded by the MUC16 gene. Mucin 16 is the largest membrane-associated mucin, containing 22,000 amino acids. MUC16 is composed of three different domains: an N-terminal domain, a tandem repeat domain, and a C-terminal domain. Testing of CA-125 blood levels has been proposed as useful in treating ovarian cancer. In addition to ovarian cancer, CA-125 might be elevated in patients who have conditions such as endometrial cancer, fallopian tube cancer, lung cancer, breast cancer, and gastrointestinal cancer. One of the most promising applications of this antigen relates to the discrimination between benign and malignant pelvic masses at the time of initial diagnosis. Because of the wide variety of conditions that can increase serum levels, CA-125 is not used to detect cancer, but it is often used to monitor responses to chemotherapy, relapse, and disease progression in ovarian cancer patients. CA 125, used in conjunction with CEA, can differentiate between ovarian and non-ovarian malignant diseases.

Reference

Claudine Rancourt, Isabelle Matte, Denis Lane, and Alain Piché (February 17th, 2012). The Role of MUC16 Mucin (CA125) in the Pathogenesis of Ovarian Cancer, Ovarian Cancer Samir Farghaly, IntechOpen, DOI: 10.5772/27672.

Source

Human Fluids

Application

- Manufacturing Controls & Calibrators
- Life Science
- Clinical Chemistry
- Biosensors
- ELISA Assay
- Lateral Flow

Why YBL?

USPs

- We ensure **batch-to-batch consistency on a large scale**, providing you with high-quality products every time.
- We offer the **shortest lead times** in the industry, allowing you to receive your products quickly and efficiently.
- We have a **reliable global network of hospitals** that supply us with high-quality biofluids and biospecimens, ensuring that we always have the materials we need to meet your requirements.
- Our products are **customized** to meet your specific needs, and we can **validate them across multiple applications** as per your needs, providing you with reliable results every time.
- With over **20 years of experience in protein purification**, our team has the expertise to deliver high-quality products that meet your exact specifications.



For more
product info.
SCAN HERE

ORDER YOUR SAMPLE TODAY:

✉ marketing@yashrajbio.com

☎ +91 22 68125300

🌐 www.yashraj.com

 **YASHRAJ
BIOTECHNOLOGY LTD.**
a bio-quest for ever
Estd. 1999



CA 125 (Ovarian Cancer Antigen)

CA 125 Ovarian Cancer Antigen

Batch No

FOCxxxx

Grade

Partially Pure

Origin

Human Fluids

CAT No.

FOC-08

Expiry

3 Years

Store in

2-8°C in working aliquots

Sr. No.	Test	Test Method	Acceptance Criteria
01	Identification	ELISA (Calbiotech)	Positive for CA 125
02	CA 125 Content	Roche-cobas (Electrochemiluminescence)	> 10 kU/ml
03	Purity Ratio	Activity/ml/OD280nm	As observed
04	CO product 19-9	Roche Elecsys	< 25%
05	CO product 15-3	Roche Elecsys	<25%
06	CO product 72-4	Roche Elecsys	<25%
07	CO product AFP	Roche Elecsys	<25%
08	CO product CEA	Roche Elecsys	<25%
09	CO product Ferritin	Roche Elecsys	<25%
10	Bio-burden	Plate count	≤ 10 CFU/ml
11	Viral Marker Test for HBsAg, Anti-HCV and Anti-HIV I&II	CLIA (US-FDA Approved)	Negative
12	Absence of Viral DNA/RNA for (HBV, HIV I and HCV)	PCR	Negative

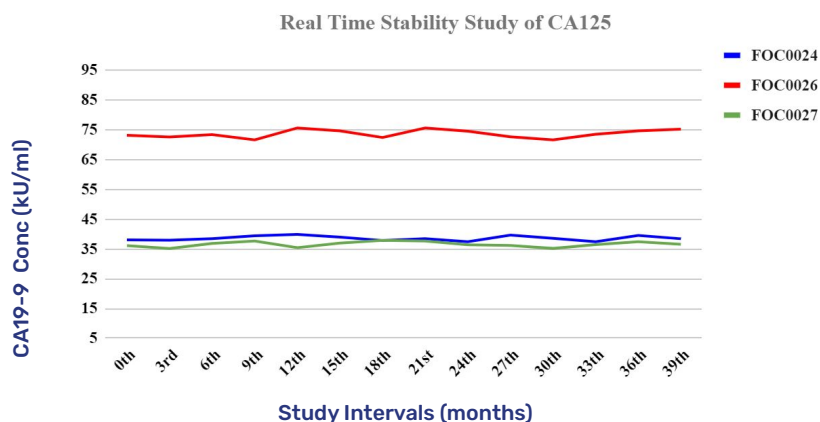
Stability Information

Product Name : CA125

Method of Testing : Roche-cobas ECLIA

Batch No. : FOC0024, FOC0026, FOC0027

Unit of Release : KU/ml



Observation: CA 125 low cross part pure is stable for >3 years at 2-8°C based on the above Real time stability study graph.



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