



CA125 Cancer Antigen (Ovarian Cancer)

Catalog number

C0050-01F

Supplier

United States Biological

MUC16/CA125 antigen is a serum marker that is used routinely in gynecologic practice to monitor patients with ovarian cancer. It is a mullerian duct differentiation antigen that is overexpressed in epithelial ovarian cancer cells and secreted into the blood, although its expression is not entirely confined to ovarian cancer. Most biochemical studies have concluded that MUC16/CA125 is a high molecular mass glycoprotein.

According to the ISOBM-TD-1 workshop, CA125 contains three antigenic domains

A-domain (Oc125), B-domain (M11), C-Domain (Ov197). The CA-125 antigen is present on a mucin-like glycoprotein of >200kD and is detectable on the apical surface of normal endometrium and endocervix.

Applications

Suitable for use in ELISA. Other applications not tested.

Recommended Dilution

ELISA: 0.125ng/ml can recognize coated 5 IU of CA125/well.
Optimal dilutions to be determined by the researcher.

Storage and Stability

Lyophilized powder may be stored at -20°C. Stable for 12 months at -20°C. Reconstitute with sterile ddH₂O. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Reconstituted product is stable for 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Human CA 125 protein

Formulation

Supplied as a lyophilized powder from PBS, pH 7.2. Reconstitute with 500ul sterile ddH₂O.

Purity

Purified by Protein G affinity chromatography.

Specificity

Reacts with human CA125 Cancer Antigen (Ovarian Cancer).

Product Type

Mab

Source



human

Isotype

IgG1

Grade

Affinity Purified

Applications

E

Crossreactivity

Hu

Storage

-20°C