



CA125 Cancer Antigen (Ovarian Cancer)

Catalog number

C0050-01J

Supplier

United States Biological

CA125 antigen is a serum marker that is used routinely in gynecologic practice to monitor patients with ovarian cancer. It is a müllerian 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 CA125 is a high molecular mass glycoprotein. 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 Dilutions

Optimal dilutions to be determined by the researcher.

Matched Pair

C0050-01J and C0050-01H

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Affinity purified human CA 125 antigen.

Formulation

Supplied as a liquid in PBS, pH 7.2, 0.05% sodium azide.

Purity

Purified by Protein A affinity chromatography.

Specificity

Recognizes human CA 125, "OC-125 like"

Product Type

Mab

Source

human

Isotype



IgG1

Grade

Affinity Purified

Applications

E

Crossreactivity

Hu

Storage

-20°C