



Human Breast Cancer Antigen (CA 15-3) (DAG700)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Breast Cancer Antigen (CA 15-3) is derived from Human cancer fluids.
Species	Human
Conjugate	Unconjugated
Applications	ELISA, Controls
Format	Liquid
Size	100KIU
Buffer	1M NaCl, 1% Triton x100
Preservative	0.1% Sodium azide
Storage	Store at 2-8°C

BACKGROUND

Introduction	<p>This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic</p>
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variable number tandem repeats (VNTR) domain. Alternate splicing results in multiple transcript variants.

Keywords

CA 15-3; Tumor markers
