

# Native Antigens

## Breast Cancer Antigen CA 15-3 (Partially Pure)



Product Code : 00-AGN-TM-BCA-001

CA 15-3 is a mucin transmembrane glycoprotein expressed at the apical surface epithelium of the mammary gland, female reproductive tract, and stomach. It comprises three structural domains: a large and heavily glycosylated extracellular segment (exo-domain), a hydrophobic type 1 transmembrane region, and a short cytoplasmic tail domain involved in several signalling processes. An increase in the serum CA 15-3 shed ectodomain is associated with the progression of carcinoma in patients. CA 15-3 is a tumor marker primarily in the management of breast cancer. It is used as a positive control in the ELISA test kit for the detection of Breast Cancer.

### Specifications:

#### PARAMETERS

Physical Appearance

CA 15-3 Concentration (ECLIA)

Contaminants (ECLIA)

Form

Storage buffer

Storage temperature

Shelf life

Anti HIV-1&2 (ELISA)

Anti HCV (ELISA)

HBsAg Antigen (ELISA)

HBV DNA (PCR)

HCV RNA (PCR)

HIV DNA (PCR)

Source

#### ACCEPTANCE CRITERIA

Colourless to Pale yellow liquid

≥ 4000 U/ml

CA 125, CA 19.9, CA 72.4, CEA, AFP, Ferritin concentrations should be ≤ 25% of CA 15.3 concentration (On Roche Cobas 601)

Liquid

Phosphate buffer saline with 0.1% NaN<sub>3</sub>, pH 7.4 ± 0.2

2 to 8°C

3 years

Negative

Negative

Negative

Not Detected

Not Detected

Not Detected

Human ascitic fluid from breast cancer patients

For research use or further manufacturing purposes only

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