



## Cancer Antigen CA 15-3 Protein (Human Milk)(VAng-Wyb8631)

### PRODUCT INFORMATION

#### Product Overview

CA 15-3 (Breast Cancer Antigen), Antigen Grade, Cancer antigen from Human Milk, 33.0 kIU/mL.

### SPECIFICATIONS

Source	Human Milk.
Target	CA 15-3
Type	Tumor Antigens
Applications	Immunogen, Calibrator in Immunoassays and <i>in vitro</i> studies.
Formulation	1 M Sodium Chloride, 1% Triton X 100.
Storage	Store at 2-8°C for short time, aliquot and store at -20°C for long term.

### ANTIGEN INFORMATION

Introduction	CA 15-3 is a glycoprotein with extensive O-linked glycosylation of its extracellular domain. Mucins line the apical surface of epithelial cells in the lungs, stomach, intestines, eyes and several other organs. Mucins protect the body from infection by pathogen binding to oligosaccharides in the extracellular domain, preventing the pathogen from reaching the cell surface. Overexpression of MUC1 is often associated with colon, breast, ovarian, lung and pancreatic cancers. The protein is anchored to the apical surface of many epithelia by a transmembrane domain. Beyond the transmembrane domain is a SEA domain that contains a cleavage site for release of the large extracellular domain. The release of mucins is performed by sheddases.
Alternative Names	CA 15-3; MUC 1; ADMCKD; ADMCKD1; CA 15-3; CD227; EMA; H23AG; KL-6; MAM6; MCD; MCKD; MCKD1; MUC-1