

**AR00025PU-N****Human CD227 / Mucin-1 / MUC1 - Purified**

<b>Alternate names:</b>	Breast carcinoma-associated antigen DF3, CA 15-3, Carcinoma-associated mucin, DF3, EMA, Episialin, H23AG, MUC-1, PEMT, PUM, Peanut-reactive urinary mucin, Polymorphic epithelial mucin, Tumor-associated epithelial membrane antigen, Tumor-associated mucin
<b>Quantity:</b>	50 kU
<b>Concentration:</b>	Specific: 21,342 Units/ml Biomira Truquant 27-29 Assay. Total: 3.27 OD280nm Units.
<b>Background:</b>	MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and overexpressed abundantly in >90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four cebB receptors and localize with erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells.
<b>Uniprot ID:</b>	<a href="#">P15941</a>
<b>NCBI:</b>	<a href="#">NP_001018016.1</a>
<b>GeneID:</b>	<a href="#">4582</a>
<b>Species:</b>	Human
<b>Source:</b>	Cell culture, (Human BTA cell line supernatant)
<b>Format:</b>	<b>State:</b> Liquid (0.2µm filtered) purified protein. <b>Buffer System:</b> PBS pH 7.4 ± 0.2 containing 0.09% Sodium Azide as preservative.
<b>Description:</b>	Human Cancer Antigen CA15-3 (Breast Cancer) Antigen Grade. <b>Known contaminants:</b> 849 Units/ml (4%) Centocor CA125 RIA Assay 567 Units/ml (2.7%) Centocor CA19-9 RIA Assay
<b>Storage:</b>	Store the protein undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Caution:</b>	Cell line supernatant tested negative for HIV1, HIV2, HCV antibodies, HIV Ag and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.