



Carbohydrate Antigen 15-3 (CA15-3) Antibody-BIOTIN

E63C01103

- Catalog Number:** E63C01103
- Amount:** 100µg/100µl
- Format:** Purified, Liquid
- Form of Antibody:** MAb to Carbohydrate Antigen CA15-3-BIOTIN in 150mM NaCl 10mM Tris pH7.4
- Clone:** N/A
- Host Animal:** Mouse. Hybridization of P3X63-Ag8.653
- Isotype:** IgG₁ myeloma cells with spleen cells from Balb/c mice.
- Source:** Mouse Ascites
- Storage/Stability:** Short-term store at 2-8°C. Long term store at -20°C. Avoid multiple freeze/thaw cycles
- Immunogen:** Human breast cancer cell line ZR 75-1
- Purification:** >98% pure. Protein A chromatography
- Specificity/Sensitivity:** Specific for the tandem repeat of the MUC-1 core. Recognizes the hexapeptide (TRPAPG). The MUC-1 mucin (Cancer Antigen CA15-3) is secreted from tumor cells. The apo-protein of the MUC-1 mucin contains a transmembrane domain, a cytoplasmic domain, and an extracellular carbohydrate rich domain. The extracellular domain is characterized by polymorphism with respect to the number of a 20 amino acid tandem repeat (VNTR polymorphism).
- Applications:** Capture or detection antibody in serological assays for the research of antigen MUC-1. Forms a suitable pair with X108, Catalog # E61C00802. Immunohistochemistry on frozen or paraffin sections for the detection of MUC-1. Immunochemical detection of MUC-1 protein. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

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