

**SPECIFICATION SHEET**

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|--------------------------------|--|-------------------|----------|
| Product Name: | McAb to CA15-3 | Catalog #: | L1C00801 |
| Description: | Monoclonal Antibody to Cancer Antigen CA15-3 (Breast Cancer) | | |
| Specificity: | 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). | | |
| Clone: | CA009 | | |
| Host Animal: | Mouse. Hybridization of P3X63-Ag8.653 | | |
| Isotype: | IgG ₁ myeloma cells with spleen cells from Balb/c mice. | | |
| Source: | Mouse Ascites | | |
| Immunogen: | Human breast cancer cell line ZR 75-1 | | |
| Format: | Purified, Liquid | | |
| Purification: | Ion exchange | | |
| Concentration&Lot: | 5 mg/ml | Lot : | L180401 |
| Buffer: | 150mM NaCl 10mM Tris PH7.4 | | |
| Preservative: | 0.05%NaN ₃ | | |
| Applications: | Detection antibody in serological assays for the research of antigen MUC-1. Forms a suitable pair with CA008, Catalog # L1C00802 as capture. 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. | | |
| Storage&Shelf life: | Store at -20 °C for 3 years. Avoid multiple freeze/thaw cycles. | | |

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