

**SPECIFICATION SHEET**

<b>Product Name:</b>	McAb to CA15-3	<b>Catalog #:</b>	L1C00802
<b>Description:</b>	MAb to Cancer Antigen CA15-3 Monoclonal Antibody to Cancer Antigen CA15-3 (Breast Cancer)		
<b>Specificity:</b>	recognizes a sialylated carbohydrate epitope of the MUC-1 glycoprotein. Is sensitive to periodate and sialidase treatment, but it does not react with glycolipid extract from the ZR 75-1 cell line. The MUC-1 mucin (Cancer Antigen 15-3) 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).		
<b>Clone:</b>	CA008		
<b>Host Animal:</b>	Mouse. Hybridization of P3X63-Ag8.653		
<b>Isotype:</b>	IgG <sub>1</sub> , myeloma cells with spleen cells from Balb/c mice.		
<b>Source:</b>	Mouse Ascites		
<b>Immunogen:</b>	Human breast cancer cell line ZR 75-1		
<b>Format:</b>	Purified, Liquid		
<b>Purification:</b>	Ion exchange		
<b>Concentration&amp;Lot:</b>	5.5 mg/ml	<b>Lot:</b>	L180401
<b>Buffer:</b>	150mM NaCl 10mM Tris PH7.4		
<b>Preservative:</b>	0.05%NaN <sub>3</sub>		
<b>Applications:</b>	Capture antibody in serological assays for the research of antigen MUC-1. Forms a suitable pair with CA009, Catalog # L1C00801 as detection.. 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.		
<b>Storage&amp;Shelf life:</b>	Store at 2~8 C for 3 years. Avoid multiple freeze/thaw cycles.		

**FOR RESEARCH USE ONLY.**