

PRODUCT DATA SHEET

Product Data Sheet:	Sheep Monoclonal Antibodies (SMAs) to: carcinoembryonic antigen (CEA)
SMA Covered	CEA.6G11, CEA.6H9
Production Description	CEA is a glycoprotein involved in cell adhesion. It is normally produced during foetal development, but the production of CEA stops before birth. It is of interest in oncology as many carcinomas secrete CEA which can be measured in patient serum. CEA.6G11 and CEA.6H9 are high affinity sheep monoclonal antibodies that bind to different epitopes on CEA

Manufacturing Specification (all SMAs)

Parameter	Specification	Test Method
Buffer and pH	PBS +0.1% Sodium azide at 7.3-7.4	pH Meter
Antibody Concentration	1-3 mg/mL	A280 (E _c = 1.4)
Purity and Aggregates	Single Main Peak ≥90%	Size Exclusion HPLC
Immunological Activity	±20% biological activity of frozen reference standard	In house ELISA

Reference: Hybridoma 1999 Apr;18(2):183-91. Novel super-high affinity sheep monoclonal antibodies against CEA bind colon and lung adenocarcinoma.

Note: for *in vitro* diagnostic use only