

## Product datasheet for **AM09247PU-N**

### CEACAM5 Mouse Monoclonal Antibody [Clone ID: CEA-Y1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CEA-Y1
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA:</b> In combination with matched detection antibody Clone CEA-Y2 (Cat.-No AM09248PU-N), this antibody can be used as capture antibody in sandwich ELISA for quantitative detection of CEA. <i>Suggested Coating Dose:</i> 2 µg/ml. <b>Western Blot:</b> 25 ng/ml antigen can be detected using 100 ng/ml antibody.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human Carcinoembryonic Antigen (CEA), which was isolated from Human cancer tissue.
Specificity:	Recognizes Carcinoembryonic Antigen CEA No detectable cross-reaction with Human normal serum proteins.
Formulation:	0.01M PBS, pH 7.0 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	carcinoembryonic antigen related cell adhesion molecule 5
Database Link:	<a href="#">Entrez Gene 1048 Human P06731</a>



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**Background:**

Carcinoembryonic Antigen (CEA) is a 180-200 KD glycoprotein expressed at high level in the epithelial cells of the embryonic colon. The expression is stopped after birth. CEA serum content is low in normal population and only slightly elevated in heavy smokers. Increased serum CEA level was found to associate with colorectal carcinoma, gastric carcinoma, pancreatic carcinoma, lung carcinoma, and breast carcinoma. However elevated CEA level does not necessarily indicate neoplastic conditions. CEA level is useful for monitoring tumour recurrence after surgical resection of carcinoma.

**Synonyms:**

CEA, Carcinoembryonic antigen