



HRP Conjugated Mouse Anti-Human CEA Monoclonal Antibody Datasheet

Product Name: HRP conjugated mAb anti-human CEA

Clone No.: CEA-Y2

Catalogue No.: MO-T40051T

Quantity: 0.2 mL/vial

Description: Horseradish peroxidase (HRP) conjugated mouse monoclonal antibody to human carcinoembryonic antigen (CEA)

Purification: Protein G affinity purified

Product Type: **Tracer** antibody in matched antibody pair, HRP conjugated

Target Protein: Human CEA

Immunogen: Human carcinoembryonic antigen (CEA)

Fusion Myeloma: Sp2/0-Ag14

Specificity: This antibody reacts with human CEA. Cross-reactivity with other human proteins has not been found.

Species Reactivity: Human, others not tested

Host / Isotype: Mouse, IgG1 Kappa

Storage Buffer Formulation: Mixture of 50% glycerol and 50% PH7.2

0.01M PBS. Final PH = 7.0 ± 0.1.

Storage: Store at -20°C

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 be associated 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.

Applications: **ELISA:** In combination with matched capture antibody CEA-Y1 (MO-T40051B), this HRP conjugated antibody can be used as tracer antibody in sandwich ELISA for CEA detection.

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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