

Mouse Monoclonal anti-CEA, Clone COL-1

60-0014; 60-0014-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0014; 61-0014-2; 61-0014-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	IgG2a
Concentration	See container label

Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect CEA in normal and neoplastic formalin fixed paraffin embedded tissue sections in immunohistochemical detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description

Carcinoembryonic Antigen (CEA) is found in several adenocarcinomas, such as colon, lung, breast, stomach and pancreas. Malignant mesothelioma is usually negative for CEA.

The antibody is a useful tool for the identification of colon carcinomas, and for the distinction of mesothelioma from adenocarcinoma when used with a panel of antibodies (e.g. with Cytokeratin, Calretinin, etc.)

Reagent provided

This antibody is in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN₃) as antimicrobial agent.

Precautions

For professional users

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous; however, the build-ups of NaN₃ may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

Usage

Dilution

60-0014; 60-0014-7: Ready-To-Use

61-0014; 61-0014-2; 61-0014-5: Dilute 1:50 to 1:100 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

Positive control tissue

Colon Cancer

Epitope retrieval

Not Required

Staining pattern

Cytoplasm and Membrane

Storage

Store at 2-8°C.

References

1. Muraro R, et al. Cancer Res. 1985 Nov;45(11 Pt 2):5769-80
2. Shi ZR, et al. J Histochem Cytochem. 1994 Sep;42(9):1215-9
3. Sheibani K, et al. Hum Pathol. 1992 Feb;23(2):107-16

Symbols

				
Catalog No.	Batch No.	In Vitro Diagnostic Use	Temperature Range	Use By