

carcinoembryonic antigen (AB1518) mouse mAb

V0041

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 76 kDa (calculated)
- 200 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1518

Immunogen A synthetic peptide corresponding to the amino acid region 600 - 702 of the human carcinoembryonic antigen protein.

Specificity The antibody can specifically recognize human CEA protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name CEACAM5

Protein Name carcinoembryonic antigen

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P06731	1048

Background Carcinoembryonic antigen (CEA) is an embryonic cancer antigen, belongs to the immunoglobulin superfamily, which normally exists in fetal digestive tract epithelium, liver and pancreas, but occurs at low concentrations in adults. It is widely expressed in various glandular epithelial tumors, especially gastrointestinal epithelial tumors, and most of them are positive for gastrointestinal cancer, pancreatic cancer and lung adenocarcinoma. The antibody is used to identify adenocarcinomas of the digestive tract, distinguish between malignant mesothelioma and peripheral pulmonary adenocarcinoma.