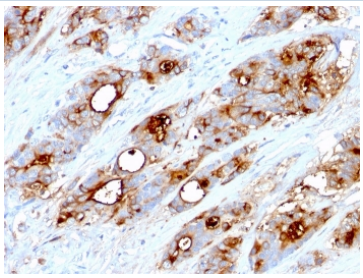
CEA Antibody / CEACAM5 [clone CEA31] (V2089)

Catalog No.	Formulation	Size
V2089-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2089-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2089SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2089IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ug

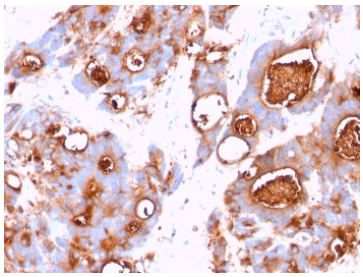
Citations (11)

Bulk quote request

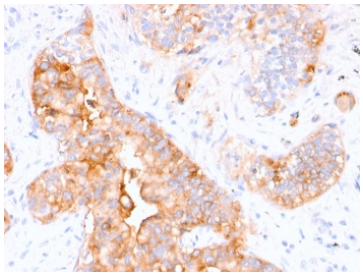
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CEA31
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P06731
Localization	Cytoplasmic and luminal surface
Applications	0.25-0.5ug/ml for 30 min at RT (1) (2)
Limitations	This **CEA antibody** is available for research use only.



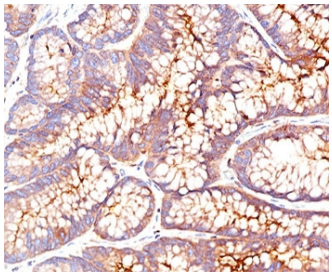
IHC testing of FFPE human colon carcinoma stained with CEA antibody (clone CEA31).



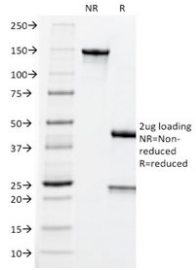
IHC testing of FFPE human colon carcinoma stained with CEA antibody (clone CEA31).



IHC testing of FFPE human colon carcinoma stained with CEA antibody (clone CEA31).



IHC testing of FFPE human colon carcinoma stained with CEA antibody (clone CEA31).



SDS-PAGE analysis of purified, BSA-free CEA antibody (clone CEA31) as confirmation of integrity and purity.

Description

CEA antibody clone CEA31 recognizes carcinoembryonic antigen, a tumor-associated glycoprotein expressed at high levels in many epithelial cancers. CEA belongs to the immunoglobulin superfamily and functions in cell adhesion, playing a role in tumor growth and metastasis. NSJ Bioreagents provides this antibody as a high-quality tool for cancer pathology and biomarker studies.

The antibody produces membranous and cytoplasmic staining in adenocarcinomas of the gastrointestinal tract, lung, and breast. Its reliable detection has made it a standard reagent in panels used to classify carcinomas. By identifying CEA positive tumors, this antibody supports both diagnostic evaluation and experimental cancer research.

In oncology, it is frequently applied to studies of tumor metastasis, where CEA expression correlates with invasive potential. Researchers also employ the antibody to investigate circulating tumor markers, as soluble CEA can be detected in patient serum.

The antibody supports translational research, where it is used to evaluate novel therapeutic strategies targeting CEA. It provides investigators with a reliable means of monitoring antigen levels in cell-based and tissue-based systems.

Validated for multiple applications, the antibody consistently provides strong staining with minimal background. Alternate names include CEACAM5 antibody, adenocarcinoma antigen antibody, and carcinoembryonic antigen marker antibody.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human colon carcinoma extract was used as the immunogen for this antibody.

Storage

Store the CEA antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (4)

Copyright © NSJ Bioreagents. All rights reserved.