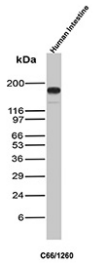
CEA Antibody / CEACAM5 [clone C66/1260] (V2444)

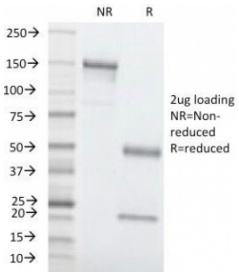
Catalog No.	Formulation	Size
V2444-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2444-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2444SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2444IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

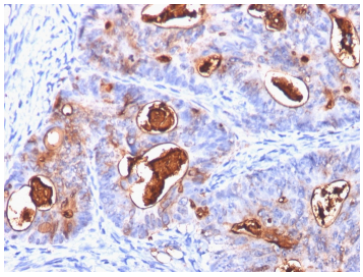
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	C66/1260
Purity	Protein G affinity chromatography
UniProt	P06731
Localization	Cytoplasmic and luminal surface
Applications	Immunohistochemistry (FFPE): 0.25-0.5ug/ml for 30 min at RT (1) (2) Western blot: 2-4ug/ml
Limitations	This CEA antibody is available for research use only.



CEA Antibody Intestine WB. Western blot analysis of CEA / CEACAM5 expression in human intestine tissue lysate using CEA antibody, clone C66/1260. Lane 1: human intestine tissue lysate. A prominent band is detected at approximately 180-200 kDa, consistent with the predicted molecular weight of CEACAM5, with higher apparent migration reflecting extensive glycosylation characteristic of this cell surface adhesion glycoprotein.



SDS-PAGE Analysis of Purified, BSA-Free CEA Antibody (clone C66/1260). Confirmation of Integrity and Purity of the Antibody.



CEA Antibody Colon Carcinoma IHC. Immunohistochemistry staining of formalin-fixed, paraffin-embedded human colon carcinoma with CEA antibody (clone C66/1260).

Description

CEA Antibody recognizes proteins of 80-200kDa, identified as different members of CEA family. CEA is synthesized during development in the fetal gut and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. This mAb reacts with nonspecific cross-reacting antigen (NCA). It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues. CEA is not found in benign glands, stroma, or malignant prostatic cells. Antibody to CEA is useful in detecting early foci of gastric carcinoma and in distinguishing pulmonary adenocarcinomas (60-70% are CEA+) from pleural mesotheliomas (rarely or weakly CEA+). Anti-CEA positivity is seen in adenocarcinomas from the lung, colon, stomach, esophagus, pancreas, gallbadder, urachus, salivary gland, ovary, and endocervix.

This CEA antibody is part of a broader CEA antibody panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the CEA antibody to be determined by the researcher.

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 min
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

Purified human protein was used as the immunogen for the CEA antibody.

Storage

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

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