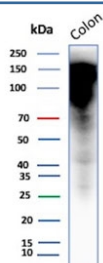


CEA Antibody / CEACAM5 [clone CEACAM5/12673] (V5647)

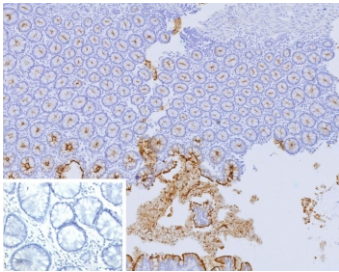
Catalog No.	Formulation	Size
V5647-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5647-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5647SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG, kappa
Clone Name	CEACAM5/12673
Purity	Protein A/G affinity
UniProt	P06731
Localization	Cytoplasm and luminal surface
Applications	Western Blot : 2-4ug/ml Immunohistochemistry : 1-2ug/ml
Limitations	This CEA antibody is available for research use only.



Western blot testing of human colon tissue with CEA antibody (clone CEACAM5/12673). Predicted molecular weight ~77 kDa but may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human colon tissue with CEA antibody (clone CEACAM5/12673). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

This 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 does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. 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, gallbladder, urachus, salivary gland, ovary, and endocervix.

Application Notes

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

Immunogen

Human CEA/CECAM5 protein was used as the immunogen for the CEA antibody.

Storage

Aliquot the CEA antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.