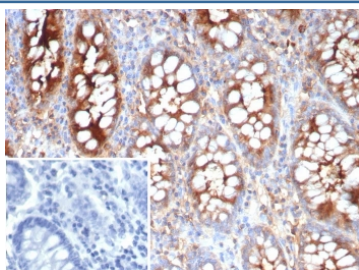


Carcinoembryonic antigen-related cell adhesion molecule 1 Antibody / CEACAM1 / BGP-1 [clone CEACAM1/4837] (V5481)

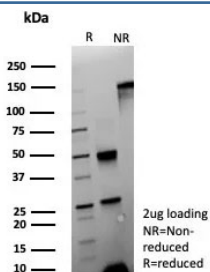
Catalog No.	Formulation	Size
V5481-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5481-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5481SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	CEACAM1/4837
Purity	Protein A/G affinity
UniProt	P13688
Localization	Secreted, Cell membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Carcinoembryonic antigen-related cell adhesion molecule 1 antibody is available for research use only.



IHC staining of FFPE human colon tissue with Carcinoembryonic antigen-related cell adhesion molecule 1 antibody (clone CEACAM1/4837). 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.



SDS-PAGE analysis of purified Carcinoembryonic antigen-related cell adhesion molecule 1 antibody (clone CEACAM1/4837) as confirmation of integrity and purity.

Description

Carcinoembryonic antigen (CEA) is one of the most commonly used tumor markers in serum immunoassay determinations of carcinoma. Members of the CEACAM (carcinoembryonic antigen-related cell adhesion molecule) family contain a single N domain, with structural homology to the immunoglobulin variable domains, followed by a variable number of immunoglobulin constantlike A and/or B domains. CEACAM1 (carcinoembryonic antigen-related cell adhesion molecule 1), also known as BGP or BGP1, is a 526 amino acid protein that exists as seven alternatively spliced isoforms, some of which localize to the cell membranes, while others are secreted. One of several members of the CEACAM family, CEACAM1 contains one Ig-like V-type domain and three Ig-like C2-type domains and is thought to play a role in a variety of cellular activities, including angiogenesis, apoptosis, arrangement of tissue three-dimensional structure and modulation of innate and adaptive immune responses. Additionally, CEACAM1 is underexpressed in colorectal cancers, suggesting a role in tumor suppression.

Application Notes

Optimal dilution of the Carcinoembryonic antigen-related cell adhesion molecule 1 antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 50-250) of human CEACAM1 protein was used as the immunogen for the Carcinoembryonic antigen-related cell adhesion molecule 1 antibody.

Storage

Aliquot the Carcinoembryonic antigen-related cell adhesion molecule 1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.