

CEACAM3 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13855b**Specification**

CEACAM3 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [P40198](#)

CEACAM3 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 1084

Other Names

Carcinoembryonic antigen-related cell adhesion molecule 3, Carcinoembryonic antigen CGM1, CD66d, CEACAM3, CD66D, CGM1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13855b was selected from the C-term region of CEACAM3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CEACAM3 Antibody (C-term) Blocking peptide - Protein Information

Name CEACAM3

Synonyms CD66D, CGM1

Function

Major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including Neisseria, Moraxella and Haemophilus species, thus playing an important role in the clearance of pathogens by the innate immune system. Responsible for RAC1 stimulation in the course of pathogen phagocytosis.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

CGM1a, the predominant CGM1 transcript, is granulocyte-specific. Not detected out of the

granulocytic lineage, such as monocytes, lymphocytes, spleen, testis, colon, brain, liver, pancreas, thymus, ovary, placenta, skeletal muscle, prostate, small intestine, heart, lung and kidney.

CEACAM3 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CEACAM3 Antibody (C-term) Blocking peptide - Images

CEACAM3 Antibody (C-term) Blocking peptide - Background

This gene encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

CEACAM3 Antibody (C-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Tsavaris, N., et al. J Chemother 21(6):673-680(2009) Skubitz, K.M., et al. J Transl Med 6, 78 (2008) ; Stern-Ginossar, N., et al. J. Immunol. 179(7):4424-4434(2007) Ali, C.W., et al. J Gastrointest Cancer 38 (2-4), 108-114 (2007) :