

CEACAM7 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17149c**Specification**

CEACAM7 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q14002](#)**CEACAM7 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1087**Other Names**

Carcinoembryonic antigen-related cell adhesion molecule 7, Carcinoembryonic antigen CGM2, CEACAM7, CGM2

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.

CEACAM7 Antibody (Center) Blocking Peptide - Protein Information**Name** CEACAM7 ([HGNC:1819](#))**Synonyms** CGM2**Cellular Location**

Cell membrane; Lipid-anchor, GPI- anchor. Apical cell membrane. Note=Localized to the apical glycocalyx surface.

Tissue Location

Expressed in columnar epithelial cells of the colon (at protein level) (PubMed:10436421). Strongly down-regulated in colonic adenocarcinomas.

CEACAM7 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CEACAM7 Antibody (Center) Blocking Peptide - Images

CEACAM7 Antibody (Center) Blocking Peptide - Background

CEA-related cell adhesion molecule 7 (CEACAM7,CGM2) belongs to the carcinoembryonic antigen (CEA) family. It encodes a glycosyl phosphatidyl inositol (GPI)-linked glycoprotein which is only found on the apical surface of highly differentiated epithelial cells adult colon and on a small epithelial cell population in pancreatic ducts. CEACAM7 expression is completely lost upon malignant transformation already in hyperplastic polyps and early adenomas as well as in adenocarcinomas of the colon. Like all members of the CEACAM family, it consists of a single N domain, with structural homology to the immunoglobulin variable domains, followed by one immunoglobulin constantlike A domain.

CEACAM7 Antibody (Center) Blocking Peptide - References

Messick, C.A., et al. Surgery 147(5):713-719(2010) Douard, R., et al. Surgery 139(4):556-562(2006) Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004) Grimwood, J., et al. Nature 428(6982):529-535(2004) Scholzel, S., et al. Am. J. Pathol. 156(2):595-605(2000)