



# Anti-CEACAM1 monoclonal antibody, clone HN9H6 (DCABH-8340)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to CEACAM1
<b>Antigen Description</b>	CEA-related cell adhesion molecules (CEACAM) belong to the carcinoembryonic antigen (CEA) family. It consists of seven CEACAM (CEACAM 1, CEACAM 3-CEACAM 8) and 11 pregnancy-specific glycoprotein (PSG1-PSG13) members. The CEA family proteins belong to the due to inhibition of tumor angiogenesis, possibly by increased secretion of antiangiogenic molecules from the cells. Like all members of the CEACAM family, it consists of a single N domain, with structural homology to the immunoglobulin variable domains, followed by two immunoglobulin constant-like A (A1, A2) and one B domain. While the N, A1 and B domains can also be found in other CEA-family members, the A2 domain of CEACAM1 differs from those found in other CEACAM. CEACAM5 is a cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. CEACAM5 is a homodimer. It is a receptor for E.coli Dr adhesins. Binding of E.coli Dr adhesins leads to dissociation of the homodimer. Found in adenocarcinomas of endodermally derived digestive system epithelium an
<b>Specificity</b>	This antibody recognises CEACAM1 transiently expressed on the cell surface of transfected BOSC cells as well as the naturally expressed protein. As the A2 domain is unique to CEACAM1, This antibody can be used to distinguish CEACAM1 from all other CEACAM.
<b>Immunogen</b>	Human CEACAM1-A2 domain cDNA (see relevance text).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	HN9H6
<b>Conjugate</b>	Unconjugated

<b>Applications</b>	Flow Cyt, ELISA, IHC-Fr
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Preservative: 0.01% Sodium Azide; Constituents: PBS, pH 7.2
<b>Preservative</b>	0.01% Sodium Azide
<b>Storage</b>	Store at +4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) [Homo sapiens]</a>
<b>Official Symbol</b>	CEACAM1
<b>Synonyms</b>	CEACAM1; carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein); BGP; carcinoembryonic antigen-related cell adhesion molecule 1; BGP1; CD66a; antigen CD66; CD66a antigen; BGPI;
<b>Entrez Gene ID</b>	<a href="#">634</a>
<b>Protein Refseq</b>	<a href="#">NP_001020083</a>
<b>UniProt ID</b>	<a href="#">P13688</a>
<b>Chromosome Location</b>	19q13.2
<b>Pathway</b>	EGFR1 Signaling Pathway, organism-specific biosystem;
<b>Function</b>	molecular_function; protein binding;