



Anti-Human CEACAM-1 (delta N)

Synonyms: CEACAM1, BGP, BGP1, BGPI, CD66a

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
100 µg	4277.852.100		
200 µg	4277.852.200		

Please enquire for bulk quantities and other vial sizes.

Description

Carcinoembryonic antigen (CEA)-related cell adhesion molecule 1 (CEACAM1; also BGP) is a 160 kDa member of the CEACAM branch of the CEA gene family of the immunoglobulin superfamily (1-3). It is one of seven human CEACAM subfamily genes that are essentially divided equally between type I trans-membrane proteins (CEACAM1, 3-4) and GPI-linked molecules (CEACAM5-8). There is no CEACAM2 in human. The gene for human CEACAM1 codes for a 526 amino acid (aa) type I transmembrane protein that contains a 34 aa signal sequence, a 394 aa extracellular domain (ECD), a 24 aa transmembrane segment, and a 74 aa cytoplasmic region (4, 5). The ECD contains one N-terminal V-type followed by three C2-type Ig-like domains. It shows considerable glycosylation (1). The cytoplasmic region shows one ITIM motif and a calmodulin binding site (1-3). There are three soluble and seven transmembrane isoforms, with variations occurring in both the ECD and cytoplasmic region. All ten alternate splice forms contain the V-type Ig-like domain (aa's 35-142). The three soluble forms also contain the first two C2-type Ig like domains (aa's 145-317), with differences coming in the third C2-type Ig-like domain (6). The seven transmembrane isoforms are highly divergent. Full-length mouse and rat CEACAM1 are approximately 57 % aa identical to human CEACAM1; in the V-type Ig-like domain, they are 58 % and 56 % aa identical, respectively. The full-length molecule is found on neutrophils, bile duct epithelium, activated NK cells, colonic columnar epithelium and endothelium.

- **Source** Rabbit
- **Clone** AB-Sbccju!JH

Biological Activity

Western Blot: Use 2-5 µg/ml

Reconstitution

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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