

Product datasheet for **TA320309**

Ceacam1 Mouse Monoclonal Antibody [Clone ID: CC1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CC1
Recommended Dilution:	Flow, IHC, Functional Assay
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	carcinoembryonic antigen-related cell adhesion molecule 1
Database Link:	NP_036056 Entrez Gene 26365 Mouse P31809

Background: The monoclonal antibody CC1 recognizes CD66a, also known as carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1), biliary glycoprotein, and BPG. Expression of CD66a is found on brush borders, epithelial, and endothelial cells. In hematopoietic cells expression is found abundantly on B cells, as well as some NKs, monocytes, DCs, and granulocytes. Although low levels of mRNA have been identified in T cells in humans, resting mouse T lymphocytes are not reported to express CD66a, as confirmed by lack of staining with CC1 antibody. In humans, expression levels of CD66a have been used to identify malignancies. CD66a plays a key role as a regulator of BCR activation of B lymphocytes. An alternate allele, CEACAM1b, is expressed in SJL mice; therefore, CC1 does not stain SJL tissue. The monoclonal CC1 has been shown to block viral infection and also enhance B cell proliferation when combined with IgM crosslinking.

Synonyms: BGP; BGP-1; BGP1; BGPI; CD66a



[View online »](#)