

Product datasheet for **AM31274FC-N**

CEACAM1 Mouse Monoclonal Antibody [Clone ID: B-D60]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B-D60
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl to label 10 ⁶ cells or 100 µl of whole blood.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Skin derived T cell clone
Specificity:	This antibody recognises CD66a, a 160 kDa protein.
Formulation:	PBS Label: FITC State: Liquid purified IgG fraction Stabilizer: 5% BSA Preservative: 0.09% Sodium Azide Label: Fluorescein isothiocyanat
Purification:	Ion Exchange Chromatography
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	carcinoembryonic antigen related cell adhesion molecule 1
Database Link:	Entrez Gene 634 Human P13688



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Background:

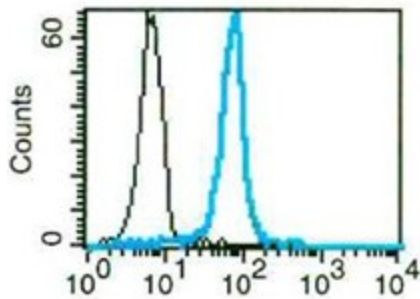
CEACAM1 (BGP/CD66a) is a transmembrane glycoprotein which belongs to the carcinoembryonic antigen (CEA) gene family. It is expressed on cells of epithelial and myeloid origin and mediates homophilic intercellular interactions that influence cellular growth, immune cell activation, and tissue morphogenesis. CEACAM1 is a putative tumour suppressor based on diminished expression in some aggressive types of cancer cells. The anti-tumour effect may be due to inhibition of tumour angiogenesis, possibly by increased secretion of anti-angiogenic 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.

Synonyms:

BGP, BGP1, Biliary glycoprotein 1

Protein Families:

Druggable Genome, Transmembrane

Product images:

A typical staining pattern with the B-D60 FITC monoclonal antibody of granulocytes