

CEACAM1 Monoclonal Antibody (GM8G5)

Catalog NumberMA1-17758

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	<div><div>Tested Applications</div><div>Dilution *</div></div>	
Class	Monoclonal		
Type	Antibody		
Clone	GM8G5		
Immunogen	cDNA encoding the extracellular region of human CEACAM1-A2	ELISA (ELISA)	1:200 - 1:400
Conjugate	Unconjugated	Flow Cytometry (Flow)	1.2 µg/1x10^6 cells
Form	Liquid	Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL
Concentration	2 mg/mL	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

This antibody recognizes native human CEACAM1 protein expressed in transfected mammalian cells.

Background/Target Information

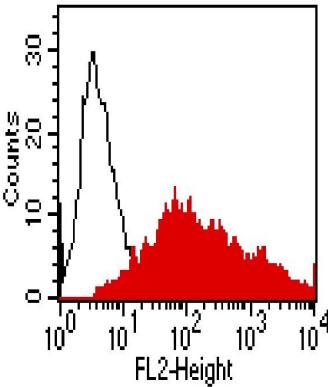
CEACAM1 is a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature of only two has been determined.

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**CEACAM1 Antibody (MA1-17758) in Flow**

Flow cytometry analysis of CEACAM1 in BOSC23 cells using a CEACAM1 Monoclonal Antibody (Product # MA1-17758) at a 1.2 µg/10<sup>6</sup> cells dilution, detected with a PE-conjugated secondary antibody, as shown in red. Isotype control antibody is shown in black.

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