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CEACAM8 Mouse mAb

Catalog # AP98662

Product Information

Application	IHC-P
Primary Accession	P31997
Other Accession	P31997
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	38154
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CEACAM8
Isotype	IgG1, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the immunoglobulin superfamily. CEA family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Carcinoembryonic antigen-related cell adhesion molecule 8 (CEACAM8) is a highly glycosylated protein expressed only in neutrophils and eosinophils in humans. The precise function of CEACAM8 remains unclear. As a member of the family of carcinoembryonic antigen (CEA), it may play a role in the interaction between granulocytes or between granulocytes and epithelial cells. Expressed in leukocytes of chronic myeloid Leukemia patients and bone marrow.

Additional Information

Gene ID	1088
Other Names	CD66b; CD67; CGM6; NCA-95; CEAM8_HUMAN; CEACAM8; CD67 antigen; Carcinoembryonic antigen CGM6; Carcinoembryonic antigen-related cell adhesion molecule 8 (CEA cell adhesion molecule 8); Non-specific cross-reacting antigen NCA-95; CEA cell adhesion molecule 8; carcinoembryonic antigen-related cell adhesion molecule 8; carcinoembryonic antigen related cell adhesion molecule 8
Dilution	IHC-P=1:50-100
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CEACAM8 (HGNC:1820)
Function	Cell surface glycoprotein that plays a role in cell adhesion in a calcium-independent manner (PubMed:11590190, PubMed:2022629, PubMed:8776764). Mediates heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6 (PubMed:11590190, PubMed:2022629, PubMed:8776764). Heterophilic interaction with CEACAM8 occurs in activated neutrophils (PubMed:8776764).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Cell surface
Tissue Location	Expressed in leukocytes of chronic myeloid Leukemia patients and bone marrow

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.