

For Research Use Only

CEACAM1/CD66a Polyclonal antibody

Catalog Number:22238-1-AP



Basic Information

Catalog Number: 22238-1-AP	GenBank Accession Number: BC014473	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 ug/ml by Nanodrop;	GeneID (NCBI): 634	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P13688	
Isotype: IgG	Full Name: carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	
Immunogen Catalog Number: AG17651	Calculated MW: 526 aa, 58 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human colon cancer tissue,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

CEACAM1, also known as CD66a or BGP (biliary glycoprotein), is a member of the carcinoembryonic antigen (CEA) family which belongs to the immunoglobulin superfamily of cell adhesion molecules (PMID: 16919437). CEACAMs play major roles in cell-cell and cell-ECM adhesion and have been implicated in the control of cell proliferation, angiogenesis, and tissue remodeling (PMID: 23021083). CEACAM1 is a transmembrane glycoprotein that is expressed on epithelial, endothelial, and immune cells (PMID: 30314283). CEACAM1 has been demonstrated to play a role in morphogenesis, apoptosis, angiogenesis, cell proliferation, cell motility, fibrosis, and immunity (PMID: 31604530).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

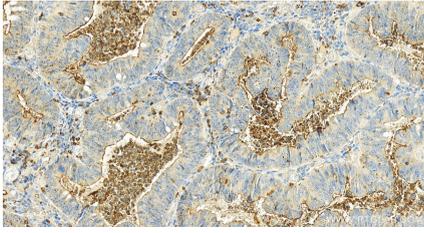
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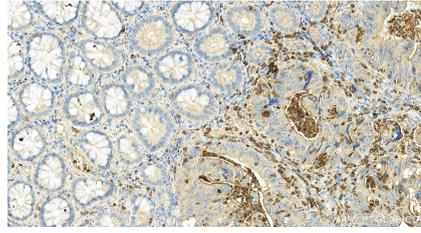
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 22238-1-AP (CEACAM1/CD66a antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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