

For Research Use Only

CEACAM1/CD66a Monoclonal antibody, PBS Only

Catalog Number: 68653-1-PBS



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
68653-1-PBS	BC014473	Protein G purification
Size:	GeneID (NCBI):	CloneNo.:
1mg/ml	634	1D1H1
Source:	UNIPROT ID:	
Mouse	P13688	
Isotype:	Full Name:	
IgG1	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	
	Calculated MW:	
	526 aa, 58 kDa	
	Observed MW:	
	120-150 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC, Indirect ELISA

Species Specificity:
human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

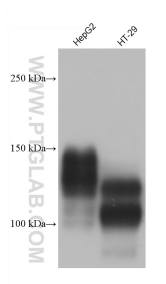
T: 4006900926

E: Proteintech-CN@ptglab.com

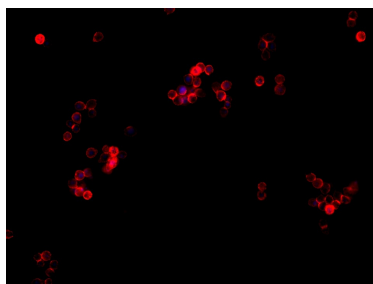
W: ptgcn.com

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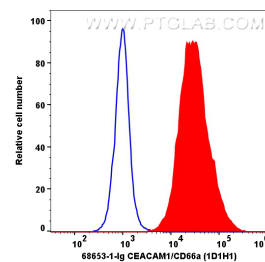
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68653-1-Ig (CEACAM1/CD66a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68653-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of unfixed HT-29 cells using CEACAM1/CD66a antibody (68653-1-Ig, Clone: 1D1H1) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 68653-1-PBS in a different storage buffer formulation.



1x10⁶ HT-29 cells were surface stained with 0.2 μ g CEACAM1/CD66a Monoclonal antibody (68653-1-Ig, Clone:1D1H1) and CoraLite488-conjugated Goat Anti-Mouse IgG(H+L) (Cat.NO. SA00013-1). Mouse IgG1 isotype control (66360-1-Ig, Clone: 1F8D3) was parallel stained as control. Cells were not fixed. This data was developed using the same antibody clone with 68653-1-PBS in a different storage buffer formulation.