

For Research Use Only

CEACAM1/CD66a Monoclonal antibody, PBS Only

Catalog Number: 68653-1-PBS



Basic Information

Catalog Number: 68653-1-PBS	GenBank Accession Number: BC014473	Purification Method: Protein G purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 634	CloneNo.: 1D1H1
Source: Mouse	UNIPROT ID: P13688	
Isotype: IgG1	Full Name: 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

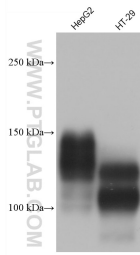
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

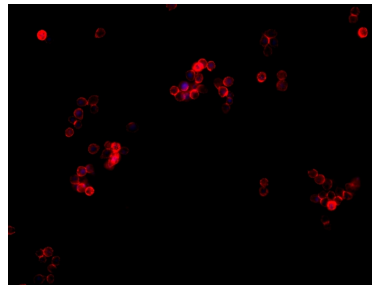
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

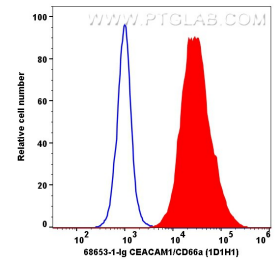
Selected Validation Data



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.



1×10^6 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.