

For Research Use Only

CEACAM1/CD66a Monoclonal antibody

Catalog Number: 68653-1-Ig



Basic Information

Catalog Number: 68653-1-Ig	GenBank Accession Number: BC014473	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 634	CloneNo.: 1D1H1
Source: Mouse	UNIPROT ID: P13688	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:500-1:2000
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, ELISA	Positive Controls: WB : HepG2 cells, HT-29 cells
Species Specificity: human	IF/ICC : HT-29 cells,

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

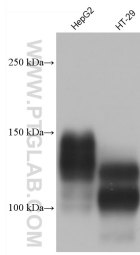
For technical support and original validation data for this product please contact:

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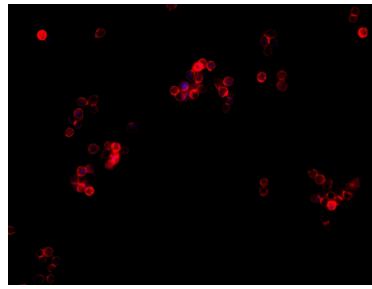
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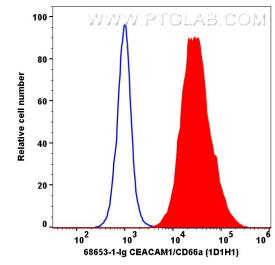
Selected Validation Data



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.



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).



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.