

For Research Use Only

# CEACAM1/CD66a Monoclonal antibody

Catalog Number: 68653-1-Ig



## Basic Information

<b>Catalog Number:</b> 68653-1-Ig	<b>GenBank Accession Number:</b> BC014473	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 634	<b>CloneNo.:</b> 1D1H1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P13688	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	
	<b>Calculated MW:</b> 526 aa, 58 kDa	
	<b>Observed MW:</b> 120-150 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, HT-29 cells
<b>Species Specificity:</b> human	<b>IF/ICC :</b> 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

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

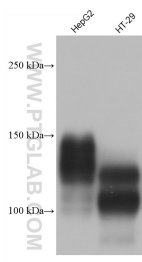
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

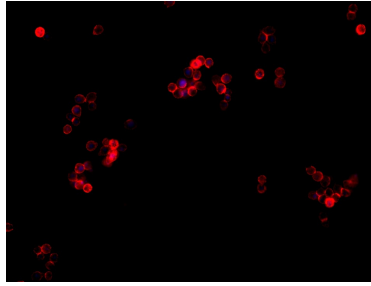
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## Selected Validation Data



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.



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).