

For Research Use Only

# Anti-Mouse CEACAM1/CD66a Rabbit Recombinant Antibody

Catalog Number: 98185-1-RR



## Basic Information

<b>Catalog Number:</b> 98185-1-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 26365	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 1000 ug/ml	<b>UNIPROT ID:</b> P31809-1	<b>CloneNo.:</b> 241856H5
<b>Source:</b> Rabbit	<b>Full Name:</b> carcinoembryonic antigen-related cell adhesion molecule 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 57 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
mouse

## 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 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH 7.3.

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

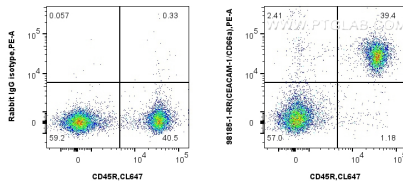
T: 4006900926

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

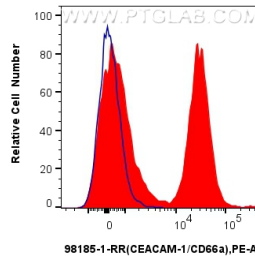
W: [ptgcn.com](http://ptgcn.com)

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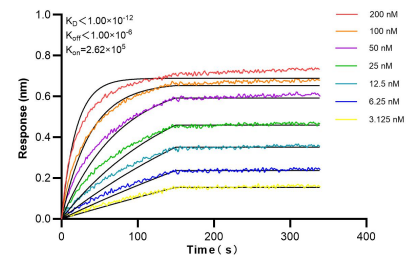
## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CEACAM1/CD66a Rabbit Recombinant Antibody (98185-1-RR, Clone: 241856H5) or 0.25 ug Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD45R. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CEACAM1/CD66a Rabbit Recombinant Antibody (98185-1-RR, Clone: 241856H5) (red) or 0.25 ug Isotype Control (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD45R. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Bi-layer interferometry (BLI) kinetic assays of 98185-1-RR against Mouse CEACAM1/CD66a were performed. The affinity constant is below 1 pM.