

For Research Use Only

Anti-Mouse CEACAM1/CD66a Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98185-1-PBS



Basic Information

Catalog Number:

98185-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

26365

UNIPROT ID:

P31809-1

Full Name:

carcinoembryonic antigen-related cell adhesion molecule 1

Calculated MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

241856H5

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 -80°C.

Storage Buffer:

PBS Only

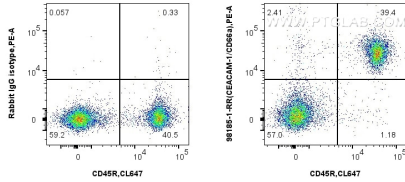
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

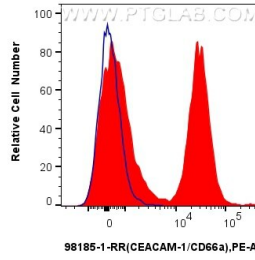
E: proteintech@ptglab.com
W: ptglab.com

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

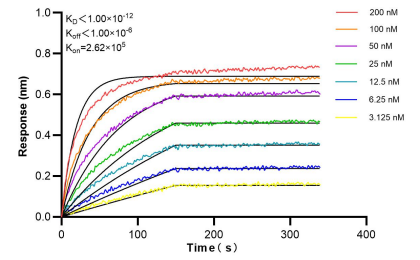
Selected Validation Data



1x10⁶ 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. This data was developed using the same antibody clone with 98185-1-PBS in a



1x10⁶ 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. This data was developed using the same antibody clone



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