

For Research Use Only

CEACAM1/3/6 (CD66a/c/d) Recombinant antibody, PBS Only

Catalog Number: 98061-1-PBS



Basic Information

Catalog Number:

98061-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC014473

GeneID (NCBI):

634

UNIPROT ID:

P13688

Full Name:

carcinoembryonic antigen-related
cell adhesion molecule 1 (biliary
glycoprotein)

Calculated MW:

526 aa, 58 kDa

Purification Method:

Protein A purification

CloneNo.:

240497E12

Applications

Tested Applications:

FC

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). This antibody is raised against 35-428 aa of human CEACAM1/CD66a and can cross-react with CEACAM6/CD66c and CEACAM3/CD66d.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

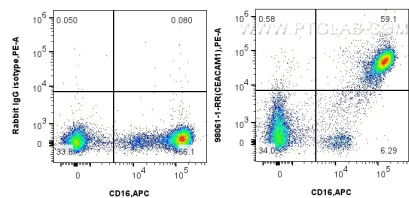
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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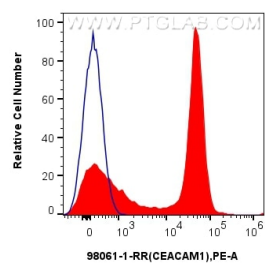
E: proteintech@ptglab.com
W: ptglab.com

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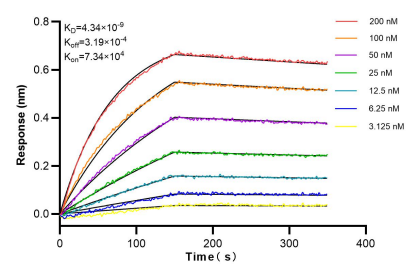
Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CEACAM1/3/6 (CD66a/c/d) Rabbit Recombinant Antibody (98061-1-RR, Clone:240497E12) or Isotype Control and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with APC Anti-Human CD16. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98061-1-PBS in a



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CEACAM1/3/6 (CD66a/c/d) Rabbit Recombinant Antibody (98061-1-RR, Clone:240497E12) (red) or Isotype Control (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98061-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98061-1-RR against Human CEACAM1/CD66a were performed. The affinity constant is 4.34 nM.