

For Research Use Only

Anti-Human CEACAM3/6 (CD66c/d) Rabbit Recombinant Antibody

Catalog Number: 98169-1-RR



Basic Information

Catalog Number:

98169-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC106728

GeneID (NCBI):

1084

UNIPROT ID:

P40198

Full Name:

carcinoembryonic antigen-related
cell adhesion molecule 3

Calculated MW:

252 aa, 27 kDa

Purification Method:

Protein A purification

CloneNo.:

241254D1

Applications

Tested Applications:

FC

Species Specificity:

human

Background Information

Carcinoembryonic antigen-related cell adhesion molecules (CEACAMs) belong to the immunoglobulin superfamily of cell adhesion molecules. CEACAMs play major roles in cell-cell and cell-ECM adhesion and have been implicated in controlling cell proliferation, angiogenesis, and tissue remodeling (PMID: 23021083). CEACAM3, also named as CD66d and CGM1, is exclusively expressed on granulocytes and acts as the major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms (PMID: 18606569). CEACAM6, also known as CD66c, is normally expressed on the surface of myeloid and epithelial surfaces and upregulated preferentially at the apical/luminal membranes of many tumors (PMID: 27595061; 35082925). This antibody is raised against 35-155 aa of human CEACAM3/CD66d and can cross-react with CEACAM6/CD66c.

Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

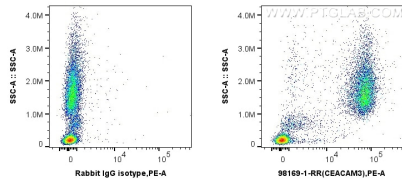
For technical support and original validation data for this product please contact:

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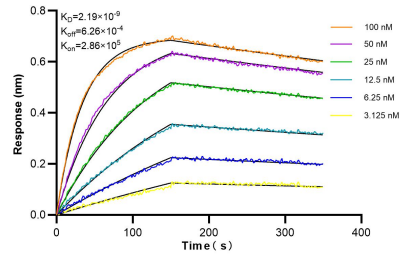
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CEACAM3/6 (CD66c/d) Rabbit Recombinant Antibody (98169-1-RR, Clone: 241254D1) or 0.25 ug Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98169-1-RR against Human CEACAM3/6 (CD66c/d) were performed. The affinity constant is 2.19 nM.