

For Research Use Only

Anti-Human CEACAM5/8 (CD66b/e) Rabbit Recombinant Antibody

Catalog Number: 98012-1-RR



Basic Information

Catalog Number:

98012-1-RR

Concentration:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG32133

GenBank Accession Number:

GeneID (NCBI):

UNIPROT ID:

P31997

Full Name:

Purification Method:

Protein A purification

CloneNo.:

230353B7

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 μ l suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood leukocytes,

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). Carcinoembryonic antigen (CEA), also known as CEACAM5 or CD66e mainly serves as a cell adhesion molecule mediating intercellular contact by both homophilic and heterophilic binding (PMID: 21731662). CEACAM8, also known as CD66b, CGM6 or NCA-95, is a glycosylphosphatidylinositol (GPI)-linked glycoprotein expressed on granulocytes and is involved in regulating adhesion and activation of eosinophils (PMID: 8104998; 18056392; 18056392). This antibody is raised against 35-319 aa of human CEACAM8/CD66b and can cross-react with CEACAM5/CD66e.

Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

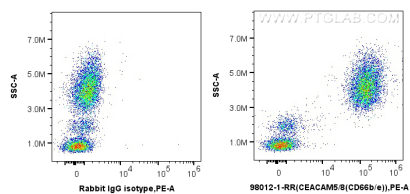
T: 4006900926

E: Proteintech-CN@ptglab.com

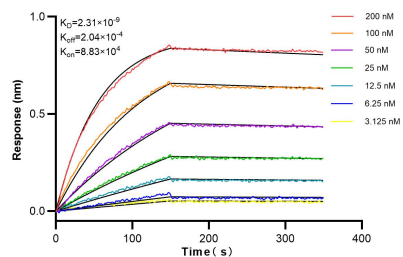
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Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CEACAM5/8 (CD66b/e) Rabbit Recombinant Antibody (98012-1-RR, Clone:230353B7) or 0.25 ug Isotype Control, and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98012-1-RR against Human CEACAM5/8 (CD66b/e) were performed. The affinity constant is 2.31 nM.