

For Research Use Only

FcZero-rAb® PE-Cyanine5.5 Anti-Human CEACAM3/6 (CD66c/d) Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA98169



Basic Information

Catalog Number:

PY5P5-FcA98169

Concentration:

100 tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0144

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

Recommended Dilutions:

FC: 5 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 692 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood leukocyte,

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

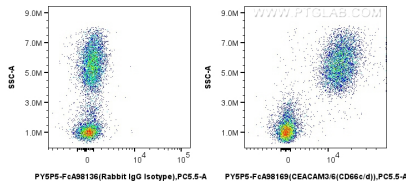
T: 4006900926

E: Proteintech-CN@ptglab.com

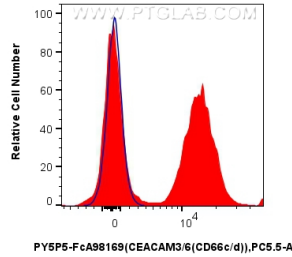
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Selected Validation Data



1x10⁶ human peripheral blood leukocyte were surface stained with 5 ul PE-Cyanine5.5 Anti-Human CEACAM3/6 (CD66c/d) Rabbit RecAb (PY5P5-FcA98169, Clone:241254D1) or FcZero-rAb® PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.



1x10⁶ human peripheral blood leukocyte were surface stained with 5 ul PE-Cyanine5.5 Anti-Human CEACAM3/6 (CD66c/d) Rabbit RecAb (PY5P5-FcA98169, Clone:241254D1) (red) or FcZero-rAb® PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.