

For Research Use Only

FcZero-rAb™ PE Anti-Human CEACAM1/3/6 (CD66a/c/d) Rabbit Recombinant Antibody

Catalog Number: PE-FcA98061



Basic Information

Catalog Number:

PE-FcA98061

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0314

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

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in 100 µl
suspension

Excitation/Emission maxima
wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood leukocytes,

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 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:

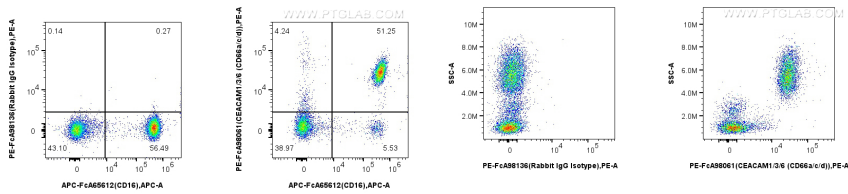
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with FcZero-rAb™ APC Anti-Human CD16 and 5 ul PE Anti-Human CEACAM1/3/6 (CD66a/c/d) Rabbit RecAb (PE-FcA98061, Clone:240497E12), or 5 ul PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.

1x10⁶ human peripheral blood leukocytes were surface stained with 5 ul PE Anti-Human CEACAM1/3/6 (CD66a/c/d) Rabbit RecAb (PE-FcA98061, Clone:240497E12) or 5 ul PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.