

For Research Use Only

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

Catalog Number: Biotin-FcA98061



Basic Information

Catalog Number:

Biotin-FcA98061

Concentration:

100ug, 500 ug/ml

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: 0.25 ug per 10⁶ cells in a 100 µl
suspension

**Excitation/Emission maxima
wavelengths:**

-

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, pH7.3

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

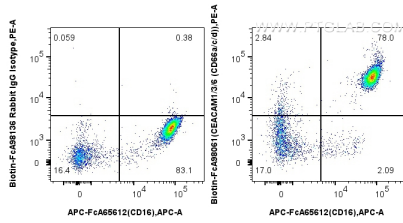
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Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Biotin Anti-Human CEACAM1/3/6 (CD66a/c/d) Rabbit RecAb (Biotin-FcA98061, Clone:240497E12) and Streptavidin-PE Conjugate (PE-PF00030), or FcZero-rAbTM Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9). Cells were then stained with FcZero-rAbTM APC Anti-Human CD16 (3G8) Rabbit IgG Recombinant Antibody (APC-FcA65612, Clone: 3G8). Cells were not

