

For Research Use Only

FcZero-rAb® Biotin Anti-Human CD89 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98105



Basic Information

Catalog Number:

Biotin-FcA98105

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC027953

GeneID (NCBI):

2204

UNIPROT ID:

P24071

Full Name:

Fc fragment of IgA, receptor for

Calculated MW:

287 aa, 32 kDa

Purification Method:

Protein A purification

CloneNo.:

241426E3

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

Fc α RI (CD89) is a member of the Fc receptor immunoglobulin superfamily, constitutively expressed on cells of the myeloid lineage like neutrophils, eosinophils, monocytes, macrophages, and platelets (PMID: 28103138). CD89 expression and activation are increased in human blood phagocytes following bacterial infection, together with increased expression and association of FcR γ with CD89 (PMID: 34756952). CD89 binds both subclasses of IgA (IgA1 and IgA2) with moderate affinity, but also binds other molecules such as TFR1, C-reactive protein and bacterial ligands. CD89 represents an effective target molecule for immunotherapy mediated by bispecific antibodies (PMID: 37081893).

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:

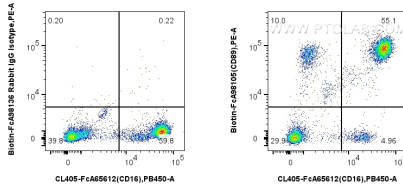
T: 4006900926

E: Proteintech-CN@ptglab.com

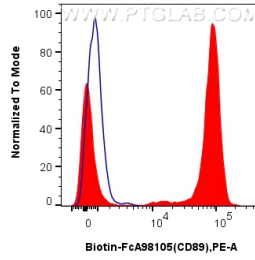
W: ptgcn.com

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Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Biotin Anti-Human CD89 Rabbit RecAb (Biotin-FcA98105, Clone: 241426E3) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb® CoraLite® Plus 405 Anti-Human CD16 (3G8) Rabbit Recombinant Antibody (CL405-FcA65612, Clone: 3G8). Cells were not



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Biotin Anti-Human CD89 Rabbit RecAb (Biotin-FcA98105, Clone: 241426E3) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.