

For Research Use Only

FcZero-rAb™ APC Anti-Human CD89 Rabbit Recombinant Antibody

Catalog Number: APC-FcA98105



Basic Information

Catalog Number:

APC-FcA98105

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC027953

GeneID (NCBI):

2204

Full Name:

Fc fragment of IgA, receptor for

Calculated MW:

287 aa, 32 kDa

Purification Method:

Protein A purification

CloneNo.:

241426E3

Excitation/Emission maxima

wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Background Information

FcαRI (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 FcRγ 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 and 0.5% BSA.

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

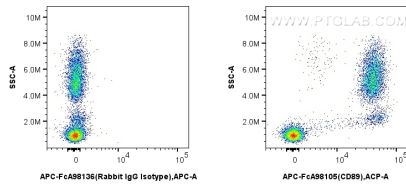
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Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 5 ul APC Anti-Human CD89 Rabbit RecAb (APC-FcA98105, Clone:241426E3) or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed.