

For Research Use Only

# FcZero-rAb® APC Anti-GGGGS Linker Rabbit Recombinant Antibody

Catalog Number: APC-FcA98262



## Basic Information

Catalog Number:

APC-FcA98262

Concentration:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:

Protein A purification

CloneNo.:

242306C8

Recommended Dilutions:

FC: 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

FC

Species Specificity:

recombinant protein

Positive Controls:

FC : Transfected HEK-293T cells,

## Background Information

As a crucial element in the design of recombinant fusion proteins, linkers play an increasingly vital role in the construction of stable, bioactive fusion proteins (PMID: 23026637). GGGGS linker (G4S linker) is a flexible linker made of 4 glycine repeats followed by a serine amino acid (PMID:3045807). Due to its flexibility and resistance to proteases, GGGGS and its repeats are commonly used when engineering a protein, particularly in the construction of single-chain Fv (ScFv) domains expressed on the surfaces of CAR-T cells (PMID:23581628; 36874404). This antibody, raised against a synthetic peptide (GGGGSGGGSGGGGS), can recognize G4S\*2, G4S\*3, G4S\*4, and G4S\*5.

## 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:

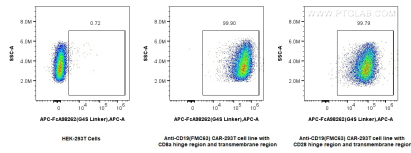
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## Selected Validation Data



$1 \times 10^6$  HEK-293T cells or anti-CD19 (FMC63) CAR with CD28 or CD8 hinge region and transmembrane region transfected HEK-293T cells were surface stained with 0.1  $\mu$ g APC Anti-GGGS Linker Rabbit RecAb (APC-FcA98262, Clone: 242306C8). Cells were not fixed.