

For Research Use Only

# CoraLite® Plus 647 Anti- GGGGS Linker Rabbit Recombinant Antibody

Catalog Number:CL647-98262



## Basic Information

Catalog Number:

CL647-98262

Size:

100ug , 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:

Protein A purification

CloneNo.:

242306C8

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

n/a

## 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 was raised against a synthetic peptide (GGGSGGGSGGGGS).

## 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

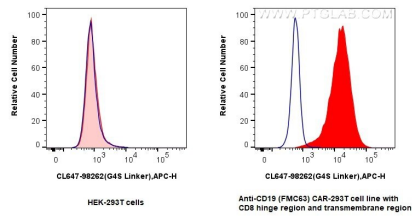
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> HEK-293T cells or anti-CD19 (FMC63) CAR with CD8 hinge region and transmembrane region transfected HEK-293T cells were surface stained with 0.25  $\mu$ g CoraLite® Plus 647 Anti- GGGGS Linker Rabbit RecAb (CL647-98262, Clone:242306C8)(red), or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.