For Research Use Only

CoraLite®594 Anti-GGGGS Linker Rabbit Recombinant Antibody

Catalog Number:CL594-98262

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Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL594-98262

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:
Protein A purification

CloneNo.:
242306C8

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
588 nm / 604 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 (GGGGSGGGGSGGGGS), can recognize G4S*2, G4S*3, G4S*4, and G4S*5.

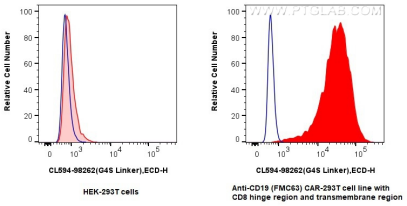
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 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 ug CoraLite®594 Anti- GGGGS Linker Rabbit RecAb (CL594-98262, Clone: 242306C8) (red) or 0.25 ug CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were not fixed.