For Research Use Only

CoraLite® Plus 405 Anti- GGGGS Linker Rabbit Recombinant Antibody

Catalog Number:CL405-98262

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL405-98262

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:
399 nm / 422 nm

Applications

Tested Applications:
FC

Species Specificity:
n/a

Background Information

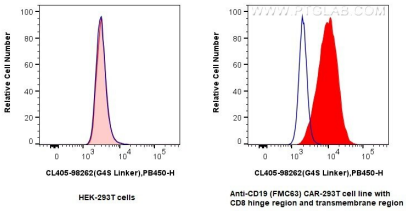
As a crucial element in the design of recombinant fusion proteins, linkers play an increasingly vital role in the construction of stable, bioactive fusion proteins (PMID: 23026637). GGGGS linker (G4S linker) is a flexible linker made of 4 glycine repeats followed by a serine amino acid (PMID:3045807). 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 (GGGGSGGGGSGGGGS).

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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® Plus 405 Anti-GGGGS Linker Rabbit RecAb (CL405-98262, Clone: 242306C8) (red) or 0.25 ug CoraLite® Plus 405 Rabbit IgG Isotype Control RecAb (CL405-98136, Clone: 240953C9) (blue). Cells were not fixed.