

# Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(PE)

## Summary

<b>Code#</b>	097-201-010
<b>Immunogen</b>	Synthetic peptide(GGGGSGGGSGGGGS)
<b>Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugate</b>	PE(Ex: 488nm, Em: 575nm)
<b>Specificity</b>	This product recognizes (GnS)m linker( $n \geq 2$ , $m \geq 2$ ) in proteins, antibodies or cells, such as (G2S)2 linker, (G2S)4 linker, (G3S)3 linker, (G4S)2 linker and (G4S)3 linker, etc.
<b>Cross-Reactivity</b>	N/A
<b>Purity</b>	Recombinant Expression and Affinity purified
<b>Concentration</b>	0.2mg/ml
<b>Formation</b>	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300, 50% Glycerol
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ (Avoid freeze / thaw cycles), protect from light

## Description

Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(PE) is designed for detecting GGGGS linker specifically. Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(PE) is recombinant antibody coupled to PE. Based on immunoelectrophoresis and/or ELISA, Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(PE) reacts with GGGGS linker and their fusion proteins.

## Background:

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. GGGGS linker (G4S linker) is a flexible linker made of 4 glycine repeats followed by a serine amino acid. 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.

## Benefits

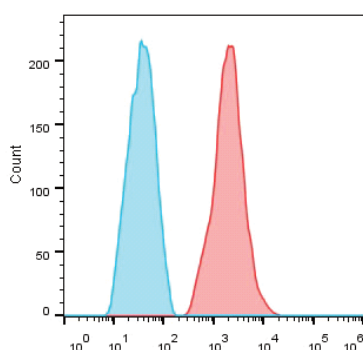
High lot-to-lot consistency  
Increased sensitivity and higher affinity  
Animal-free production

## Application notes

Flow Cyt: 1:100-1:400

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.

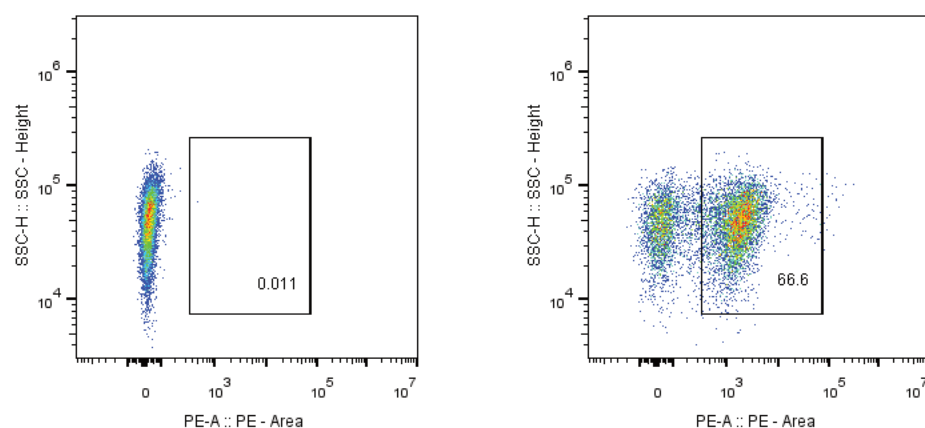
## Validation Data:



### Flow cytometry experiment of Transfected HEK-293T using Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(PE)

$1 \times 10^6$  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 Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(PE) (1:400) (red), or Rabbit IgG Isotype Control(PE) (blue).

This product is for research use only and is not approved for use in humans or in clinical



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1x10<sup>6</sup> 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 Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(PE) (1:400) (red), or Rabbit IgG Isotype Control(PE) (blue).