

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

## Summary

Code#	097-201-004
Immunogen	Synthetic peptide(GGGGSGGGGSGGGGS)
Host	Rabbit
Isotype	Rabbit IgG
Conjugate	Biotin
Specificity	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.
Cross-Reactivity	N/A
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300
Storage	Store at $-20^{\circ}\text{C}$ (Avoid freeze / thaw cycles)

## Description

Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(Biotin) is designed for detecting GGGGS linker specifically. Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(Biotin) is recombinant antibody coupled to Biotin. Based on immunoelectrophoresis and/or ELISA, Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody(Biotin) 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  
 WB: 1:2000-1:4000

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.

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