Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody

Summary

Code#	097-201-004
Immunogen	Synthetic peptide(GGGGSGGGGSGGGGS)
Host	Rabbit
Isotype	Rabbit IgG
Conjugate	Unconjugated
Specificity	This product recognizes (GnS)m linker(n≥2, m≥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, 50% Glycerol
Storage	Store at –20 °C(Avoid freeze / thaw cycles)

Description

Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody is designed for detecting GGGGS linker specifically. Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody is recombinant antibody. Based on immunoelectrophoresis and/or ELISA, Anti-GGGGS Linker, AlpHcAbs® Rabbit antibody 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

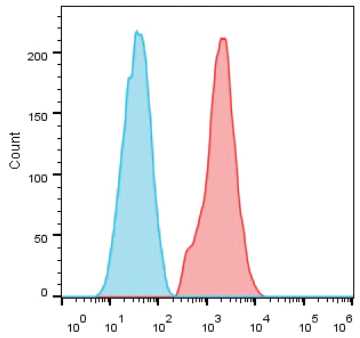
High lot-to-lot consistency
Increased sensitivity and higher affinity
Animal-free production

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.

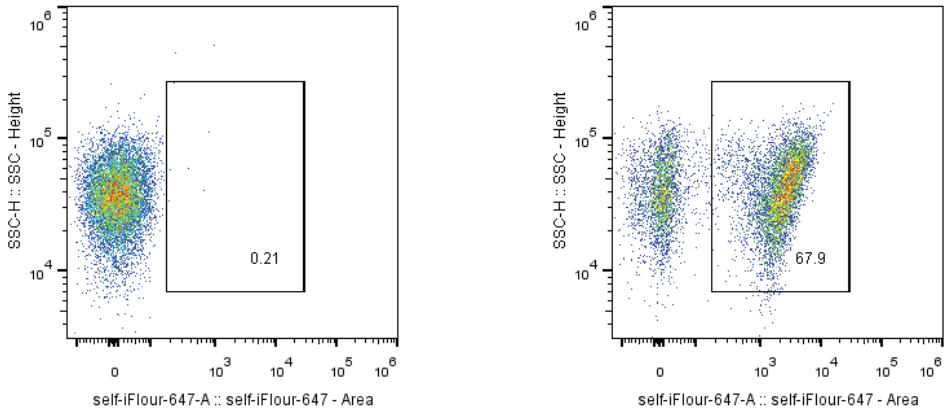
Validation Data:



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

1x10^6 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(1:100) and Anti-Rabbit IgG(Fcγ Fragment specific), AlpSdAbs® VHH(iFluor647 ×8) (Cat No.025-101-009) (red), or Rabbit IgG Isotype Control(blue).

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



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