

12-90458: Anti-(G4S)4 antibody(12H7), Rabbit mAb

Clonality :	Monoclonal
Clone Name :	12H7
Application :	ELISA
Conjugate :	Unconjugated
Gene :	G4S linker
Uniprot ID :	N/A
Alternative Name :	GGGGS
Isotype :	Rabbit IgG

Description

The poly-Glycine-Serine (G4S) linker is a type of flexible, unstructured synthetic peptide linker sequence often leveraged to connect antibody fragments (scFvs) and fusion proteins. The linker itself consists of a core pentapeptide sequence, Gly-Gly-Gly-Gly-Ser, that is repeated and commonly found as either a 15-mer (G4S)3 or 20-mer (G4S)4 within scFv-based CARs and scFv fragments. The linker sequence length plays a role in controlling scFv stability and the noncovalent association between the VH and VL domains.

Product Info

Amount :	100 µg / 10 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Application Note

ELISA 1/5000-10000

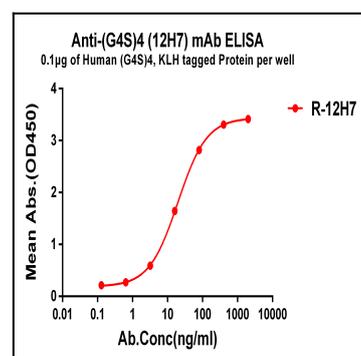


Figure 1. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human (G4S)4, KLH tagged protein can bind Rabbit anti-(G4S)4 monoclonal antibody(clone: 12H7) in a linear range of 10-100 ng/ml.