

PE Rabbit anti-G4S Linker mAb

Catalog NO.: A27810

Basic Information

Observed MW

Calculated MW

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Species independent

Conjugation

PE. Ex:565nm. Em:574nm.

Clone number

ARC72465

Background

The G4S Linker (polyglycine-serine linker) is a flexible polypeptide linker composed of repeating glycine (Gly) and serine (Ser) residues. Its core structural unit is a pentapeptide sequence Gly-Gly-Gly-Gly-Ser (abbreviated as G4S), which polymerizes into multimeric forms such as the 15-mer (G4S)3 (three repeats) or 20-mer (G4S)4 (four repeats). This sequence design confers high flexibility and unstructured properties, effectively minimizing steric hindrance between connected protein domains. The evolutionary conservation and broad applicability of the G4S Linker have established it as a critical target in antibody engineering and therapeutic development.

Recommended Dilutions

FC ≤0.2 μg per million cells in 100 μl volume

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

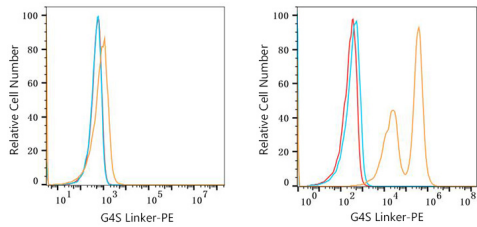
Contact

Product Information

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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

Validation Data



Flow cytometry: 1X10⁶ 293T cells (negative control,left) and 293T cells engineered to express an scFv-based anti-CD27 containing a G4S linker (right) were surface-stained with PE Rabbit anti-G4S Linker mAb (A27810,0.2 µg,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

