Data Sheet (Cat.No.TMAS-00149F647)

Anti-GS Linker Antibody-iFluor 647 (4X728)

Product Details

Ig Type:	IgG, κ
Conjugation:	iFluor 647
Clone:	4X728
Purification:	Protein A affinity column

Applications

Verified Activity:	Flow cytometric analysis of Raji cells using anti-CD19 antibody containing a (G4S)3 linker and Anti-GS Linker Antibody-iFluor 647 (4X728) (TMAS-00149F647)(blue peak); Concentration-matched TMAS-00149F647 was used as isotype control(green).
Application:	FCM
Recommended	FCM: 1:50

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Keep away from direct sunlight.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	BSA conjugated synthetic peptide: GGGGSGGGGSGGGGS
Synonyms:	Glycine-serine linker;(G4S)3 Linker;(GGGGS)3;GSLinker;poly-Glycine-Serine

Research Background

A linker is an amino acid chain that connects two fused proteins, allowing for the appropriate separation of protein functional domains or the maintenance of necessary inter-domain interactions. The most commonly used flexible linker is the poly-Glycine-Serine (GS) linker. A very important application of the flexible GS linker is connecting the variable heavy (VH) domain and variable light (VL) domain of single-chain variable fragments (scFvs). Due to its flexible structure and appropriate linker sequence length, the (GGGGS)3 linker has been shown to allow for the correct orientation of the VH and VL domains, and it does not interfere with the folding of the protein domains in scFv construction.

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