



Mouse Anti-G4S linker monoclonal Antibody, clone 746 [APC] (CABT-L0102Y)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This product is a specific antibody specifically reacts with G4S linker.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	N/A
Clone	746
Purification	Purified
Conjugate	APC
Applications	Suitable for IP, Microarray Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Reconstitution	Please see Certificate of Analysis for specific instructions.
Format	Purified. Lyophilized
Size	1 ea
Buffer	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Ship	Wet ice

BACKGROUND

Introduction

The poly-Glycine-Serine (G4S) linker is a type of flexible, unstructured synthetic peptide linker sequence often leveraged to connect the variable heavy (VH) domain and variable light (VL) domain of single-chain variable fragments (scFvs) and chimeric antigen receptors (CARs) that utilize an extracellular domain scFv for target antigen recognition. 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.
