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Whitlow/218 Linker (E3U7Q) Rabbit mAb (Alexa Fluor® 700 Conjugate)

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: FC-L	Reactivity: All	Sensitivity: Transfected Only	Source/Isotype: Rabbit IgG
Product Usage Information	Application Flow Cytometry (Live)		Dilution 1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide, and 2 mg/mL BSA. Store at 4°C. <i>Do not aliquot the antibody. Protect from light. Do not freeze.</i>		
Specificity/Sensitivity	Whitlow/218 Linker (E3U7Q) Rabbit mAb (Alexa Fluor® 700 Conjugate) recognizes exogenously expressed levels of scFv-based CARs containing a Whitlow/218 linker.		
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues of the Whitlow/218 linker peptide.		
Description	This Cell Signaling Technology® antibody is conjugated to Alexa Fluor® 700 fluorescent dye under optimal conditions and tested in-house for direct flow cytometric analysis in human cells. This antibody conjugate is expected to exhibit the same reactivity as the unconjugated Whitlow/218 Linker (E3U7Q) Rabbit mAb #57710, which is expected to react with cell surface expressed CARs of varying specificity containing a Whitlow/218 linker within the scFv of the extracellular domain.		
Background	The Whitlow/218 peptide is a commonly used linker that connects 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 Whitlow/218 linker affords the scFv with enhanced resistance to proteolysis and aggregation (1).		
Background References	1. Whitlow, M. et al. (1993) <i>Protein Eng</i> 6, 989-95.		

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	FC-L: Flow Cytometry (Live)
Cross-Reactivity Key	All: All Species Expected
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