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#66159**Whitlow/218 Linker (E3U7Q) Rabbit mAb
(BSA and Azide Free)**
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	Source/Isotype:
FC-L, ELISA	H All	Endogenous	Rabbit IgG
Product Usage Information	This product is the carrier free version of product #57710. All data were generated using the same antibody clone in the standard formulation which contains BSA and glycerol. This formulation is ideal for use with technologies requiring specialized or custom antibody labeling, including fluorophores, metals, lanthanides, and oligonucleotides. It is not recommended for ChIP, ChIP-seq, CUT&RUN or CUT&Tag assays. If you require a carrier free formulation for chromatin profiling, please contact us. Optimal dilutions/concentrations should be determined by the end user. BSA and Azide Free antibodies are quality control tested by size exclusion chromatography (SEC) to determine antibody integrity.		
Formulation	Supplied in 1X PBS (10 mM Na₂HPO₄, 3 mM KCl, 2 mM KH₂PO₄, and 140 mM NaCl (pH 7.8)). BSA and Azide Free. For standard formulation of this product see product #57710		
Storage	Store at -20°C. <i>This product will freeze at -20°C so it is recommended to aliquot into single-use vials to avoid multiple freeze/thaw cycles.</i> A slight precipitate may be present and can be dissolved by gently vortexing. This will not interfere with antibody performance.		
Specificity/Sensitivity	Whitlow/218 Linker (E3U7Q) Rabbit mAb (BSA and Azide Free) 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 tested in-house for indirect flow cytometric analysis in human cells and is expected to react with cell surface expressed CARs of varying specificity, which contain 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) ELISA: ELISA		
Cross-Reactivity Key	H: Human All: All Species Expected		
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