

**Whitlow/218 Linker (E3U7Q) Rabbit mAb  
(Alexa Fluor® 594 Conjugate)**

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

| Applications:<br>FC-L            | Reactivity:<br>All                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sensitivity:<br>Transfected Only | Source/Isotype:<br>Rabbit IgG |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------|
| <b>Product Usage Information</b> | <b>Application</b><br>Flow Cytometry (Live)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                  | <b>Dilution</b><br>1:50       |
| <b>Storage</b>                   | 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>                                                                                                                                                                                                                                                                                                                                     |                                  |                               |
| <b>Specificity/Sensitivity</b>   | Whitlow/218 Linker (E3U7Q) Rabbit mAb (Alexa Fluor® 594 Conjugate) recognizes exogenously expressed levels of scFv-based CARs containing a Whitlow/218 linker.                                                                                                                                                                                                                                                                                                                                   |                                  |                               |
| <b>Source / Purification</b>     | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues of the Whitlow/218 linker peptide.                                                                                                                                                                                                                                                                                                                                                      |                                  |                               |
| <b>Description</b>               | This Cell Signaling Technology® antibody is conjugated to Alexa Fluor® 594 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. |                                  |                               |
| <b>Background</b>                | 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).                                                                                                    |                                  |                               |
| <b>Background References</b>     | 1. Whitlow, M. et al. (1993) <i>Protein Eng</i> 6, 989-95.                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  |                               |

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