PE anti-Whitlow/218 Linker Antibody

Catalog# / Size	900206 / 25 tests 900207 / 100 tests
Clone	W24150D
Regulatory Status	RUO
Other Names	Whitlow/218 peptide, Whitlow/218 linker, Whitlow 218 linker
Isotype	Mouse IgG2b, κ
Description	The Whitlow/218 linker is an 18 amino acid peptide that is widely used in chimeric antigen receptors (CAR) constructs to connect the variable heavy (VH) and variable light (VL) regions of single-chain variable fragments (scFvs). The linker sequence was designed to increase resistance to proteolytic degradation and minimize aggregation, improving scFv stability and supporting optimal engineered cell function.

Product Details

Verified Reactivity	Human, Mouse
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Peptide
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. **Do not freeze**.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Clones E3U7Q and W24150D completely block each other.

Antigen Details

Structure	The amino acid sequence GSTSGSGKPGSGEGSTKG, used to connect the variable heavy (VH) and variable light (VL) domains of a single-chain variable fragment (scFv)
Function	Detection of CAR constructs, CAR-T cells
Biology Area	Immunology
Antigen References	1. Whitlow, M. *et al.* 1993. *Protein Eng.* 6:989-95

Gene ID	NA

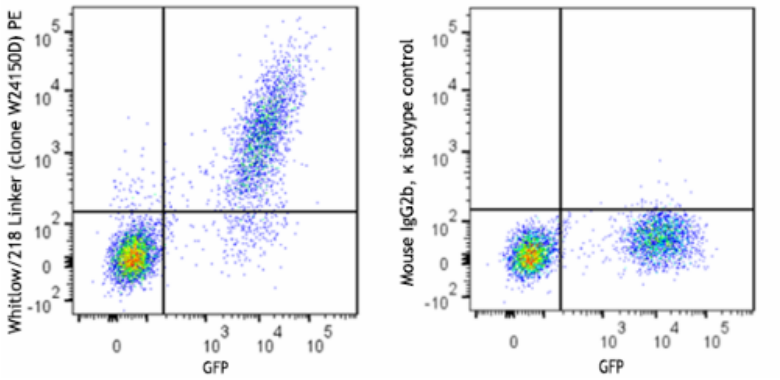
Related Protocols

- Cell Surface Flow Cytometry Staining Protocol

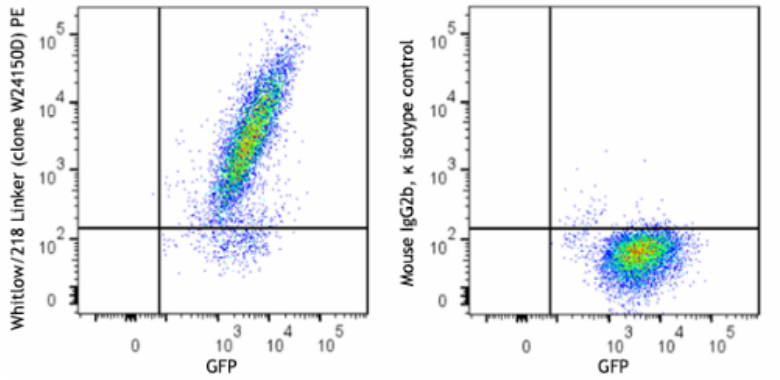
Other Formats

Purified anti-Whitlow/218 Linker, Alexa Fluor® 647 anti-Whitlow/218 Linker, PE anti-Whitlow/218 Linker

Product Data



Human peripheral blood mononuclear cells mixed (1:1) with Whitlow/218 linker-transfected RBL1 (rat basophilic leukemia-1) cells were stained with anti-Whitlow/218 Linker (clone W24150D) PE (left) or mouse IgG2b, κ PE isotype control (right).



Transfected RBL1 (rat basophilic leukemia-1) cells expressing the Whitlow/218 linker on the cell surface were stained with anti-Whitlow/218 Linker (clone W24150D) PE (left) or mouse IgG2b, κ PE isotype control (right).

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587