

HRP conjugated Monoclonal Anti-Whitlow 218 Linker Antibody, Rabbit IgG (P3C09)

Catalog # 218-HMY2203



Source

HRP conjugated Monoclonal Anti-Whitlow 218 Linker Antibody, Rabbit IgG (P3C09) is a recombinant rabbit monoclonal antibody expressed in HEK293 cells.

Antibody Type

Recombinant Monoclonal

Clone

P3C09

Isotype

Rabbit IgG, Kappa

Host Species

Rabbit

Reactivity

All

Conjugate

HRP conjugated

Specificity

Specifically binds to scFv antibodies containing the Whitlow 218 linker.

Application

Application	Recommended Use
Western Blot	0.5-2 µg/mL
ELISA	2-20 ng/mL

** Recommended dilutions are for reference only. Optimal working concentrations may vary depending on your consumables, reagents, and assay conditions. We recommend optimizing for your specific system. No warranty is made regarding performance at any specific dilution.*

Purification

Protein A purified.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;

- -70°C for 3 months under sterile conditions after reconstitution.

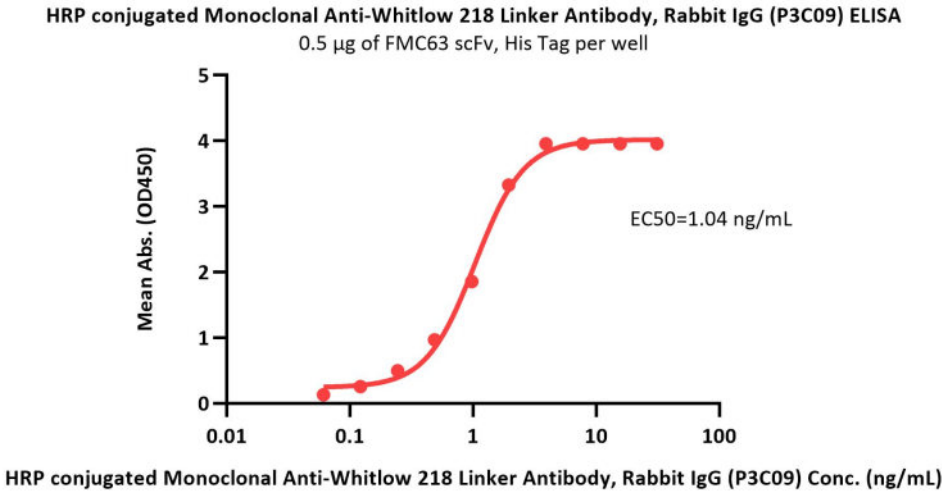
Notices

Product Specific Notices: For research use only.

ACRO Quality Management System

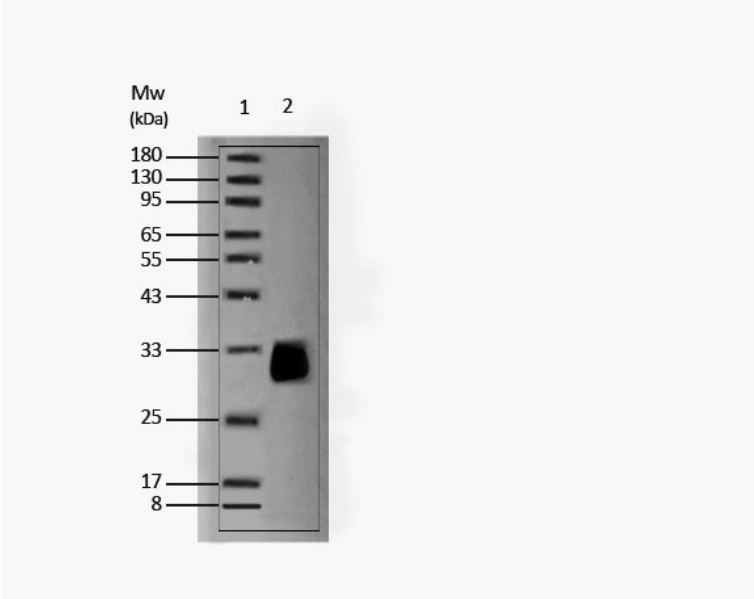
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

Activity-ELISA



Immobilized FMC63 scFv, His Tag (containing 218 linker) (Cat. No. CD9-M52H7) at 5 µg/mL (100 µL/well) can bind HRP conjugated Monoclonal Anti-Whitlow 218 Linker Antibody, Rabbit IgG (P3C09) (Cat. No. 218-HMY2203) with a linear range of 0.06-2 ng/mL (QC tested).

Western Blot



Western blot analysis of FMC63 scFv, His Tag (Cat. No. CD9-M52H7). The protein was loaded at 200 ng per lane and detected using HRP conjugated Monoclonal Anti-Whitlow 218 Linker Antibody, Rabbit IgG (P3C09) at 0.5 µg/mL. A specific band was detected at approximately 29-34 kDa.

Lane 1: Marker

Lane 2: FMC63 scFv, His Tag (Cat. No. CD9-M52H7)

Background

The whitlow/218 linker, with the sequence GSTSGSGKPGSGEGSTKG, is a commonly used synthetic peptide linker. Whitlow/218 linker 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 scFv containing the 218 linker showed reduced aggregation and was found to be more stable to proteolysis in vitro.

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