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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-VACV [SC212] Standard Size Ab03517-23.0

This full-length chimeric rabbit antibody was made using the variable domain sequences of the original Human scFv format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Lambda

Clone Number: SC212

Alternative Name(s) of Target: VV

UniProt Accession Number of Target Protein:

Published Application(s): in vitro neutralization, ELISA

Published Species Reactivity: Vaccinia virus

Immunogen: A phage display library of human single chain variable fragment (scFv) antibodies was constructed from the B cells of healthy volunteers boosted by the VACV vaccine. Human scFv was isolated by panning against VACV.

Specificity: The antibody is specific for VACV.

Application Notes: The scFv fragment was converted to human IgG1 (VC212). The binding affinity of VC212 was estimated by competition ELISA to IC50 values 22 µg/ml (146.67 nM). The humanized version of the antibody neutralized the VACV, as evidenced by the plaque reduction neutralization test result with a PRNT50 of ~0.16 mg/ml (~1.07 µM) (Shin et al., 2019; PMID: 30856707).

Antibody First Published in: Shin et al. Selection of Vaccinia Virus-Neutralizing Antibody from a Phage-Display Human-Antibody Library J Microbiol Biotechnol. 2019 Apr 28;29(4):651-657. [PMID:30856707](#)

Note on publication: The original paper describes the generation and characterization of the antibody.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.