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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-F1 [Af1 8] Standard Size Ab03601-30.11

This is an scFv fragment with a His tag.

Isotype and Format: scFv fragment (His), ScFv

Clone Number: Af1 8

Alternative Name(s) of Target: F1 capsule antigen; caf1

UniProt Accession Number of Target Protein: P26948

Published Application(s): ELISA, FC

Published Species Reactivity: Yersinia pestis

Immunogen: This antibody was generated by panning a phage library prepared from 40 different samples of human peripheral blood lymphocytes against the F1 protein.

Specificity: This antibody is specific for the F1 capsule protein from Yersinia pestis. It shows some cross-reaction with other Yersinia species that have a F1 protein. F1 is a protein that is part of the capsule of Yersinia pestis. Yersinia pestis is the bacteria that causes the plague in humans.

Application Notes: To determine the ability of the scFv version of this antibody to bind the F1 protein, an ELISA was performed on F1 using the scFv version of this antibody, it showed strong binding. Furthermore, an ELISA was also performed on Yersinia pestis to assess the binding in vivo. Additionally, flow cytometry was performed on both Yersinia pestis and the F1 antigen, it showed a positive reaction to both (Lillo et al, 2011; pmid:22174746).

Antibody First Published in: Lillo et al. Development of Phage-Based Single Chain Fv Antibody Reagents for Detection of Yersinia pestis. PLoS One. 2011; 6(12): e27756. [PMID:22174746](#)

Note on publication: Phage antibody panning was performed against F1 in an automated fashion using the Kingfisher magnetic bead system. Selected scFvs were screened for F1-binding specificity by one-step alkaline phosphatase enzyme linked immunosorbant assay (ELISA), and assayed for binding to recombinant antigen and/or Y. pestis by flow cytometry and whole-cell ELISA.

Product Form

Size: 50 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.