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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-Ft OAg [Ab52] Bulk Size Ab02346-201.4-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This reformatted dog antibody was made using the variable domain sequences of the original Mouse IgA format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Dog IgG2 (IgG-B), Fc Silent™, Kappa

Clone Number: Ab52

Alternative Name(s) of Target: O-antigen of Francisella tularensis; O-antigen ligase family protein

UniProt Accession Number of Target Protein: A0A0B6E216

Published Application(s): ELISA,

Published Species Reactivity: Francisella tularensis, Francisella tularensis subsp. Holarctica

Immunogen: The original antibody was generated by repeatedly immunizing BALB/c mice with live vaccine strain (LVS) and F. tularensis lipopolysaccharide admixed with CpG ODN 1826 (TCC ATG ACG TTC CTG ACG TT) (an oligodeoxynucleotide containing unmethylated CpG dinucleotides with fully phosphorothioate backbone).

Specificity: This antibody strongly binds the internal O-antigen (OAg) of the gram-negative bacterium Francisella tularensis (Ft).

Application Notes: This potent binder can be used to detect the O antigen of F. tularensis. The antigen specificity of this antibody was tested using ELISA. It is capable of binding to heat killed live vaccine strain and SchuS4 F. tularensis strains in an ELISA. This antibody was also capable of detecting the longer chains of the lipopolysaccharide ladder in a western blot assay (PMID: 21466282). Ab52 can be used as a reporter to monitor the response of vaccine recipients to protective B-cell epitopes of F. tularensis OAg (PMID: 22486311).

Antibody First Published in: Roche et al. Characterization of monoclonal antibodies to terminal and internal o-antigen epitopes of Francisella tularensis lipopolysaccharide. Hybridoma (Larchmt). (2011); 30(1): 19-28. [PMID:21466282](#)

Note on publication: Describes the generation of antibodies towards terminal and internal O-antigen epitopes of Francisella tularensis lipopolysaccharide.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.