



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Staphylococcus aureus cells [AbAbSA01] Standard Size Ab03598-10.0

This full-length, reformatted human 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:** Human IgG1, Lambda

**Clone Number:** AbAbSA01

**Alternative Name(s) of Target:**

**UniProt Accession Number of Target Protein:**

**Published Application(s):** dot blot, ELISA

**Published Species Reactivity:** Staphylococcus aureus

**Immunogen:** The antibody was generated by isolating the antibody from a scFV library created from PBMCs from volunteers infected with *S. aureus*. The antibody was isolated by using *S. aureus* as antigen

**Specificity:** This antibody is specific for the cells of *S. aureus*. *S. aureus* is a bacteria that causes MRSA in humans, but can also cause a wide range of other infections.

**Application Notes:** The specificity of the human IgG1 version of this antibody was determined using both ELISA and a dot blot on *S. aureus*, *S. albus*, *S. citreus*, *Salmonella typhi*, *Bacillus anthracis*, *Shigella Castellani*, *Proteus bacillus vulgaris*, *Monilia albican*,  $\alpha$ -hemolytic streptococcus and  $\beta$ -hemolytic streptococcus, all clones showed a higher affinity for *S. aureus* than for other tested bacteria. Furthermore, the binding affinity of the antibody was tested using surface plasmon resonance (Nian et al, 2016; pmid:27129873).

**Antibody First Published in:** Nian et al. Development and identification of fully human scFv-Fcs against *Staphylococcus aureus*. *BMC Immunol.* 2016; 17: 8. [PMID:27129873](#)

**Note on publication:** A single-chain variable fragment (scFv) library was constructed using mRNA from the peripheral blood mononuclear cells of *S. aureus* infected volunteers. The scFv library was screened by phage display for three rounds using *S. aureus* as an antigen. The single clones were chosen at random and the scFvs were expressed for enzyme-linked immunosorbent assay (ELISA) assessment.

## 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.