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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Staphylococcus aureus cells [AbAbSA01] Ab03598-30.11-BT

This is an scFv fragment with a His tag.

Isotype and Format: scFv fragment (His), ScFv

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*, *Proteusbacillus vulgaris*, *Monilia albican*, α -hemolytic streptococcus and β -hemolytic streptococcus, all clones showed a higher affinity for *S.aueus* 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: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.