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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-Lysozyme [cAbHul6] Standard Size Ab03621-1.159

Isotype and Format: Mouse IgG1-Fc fusion

Clone Number: cAbHul6

Alternative Name(s) of Target: 1,4-beta-N-acetylmuramidase C; cAb-Hul6; NbHuL6

UniProt Accession Number of Target Protein: P61626

Published Application(s): crystallization, SPR

Published Species Reactivity: Human

Immunogen: Phage libraries were generated using the mRNA extracted from the lymphocytes of immunized dromedaries. The VHH antibody was isolated by biopanning from the libraries.

Specificity: The antibody is specificity for human lysozyme. It does not cross react with hen lysozyme.

Application Notes: The binding affinity of the VHH fragment for human lysozyme was measured by surface plasmon resonance ($K_d = 0.7$ nM) (Dumoulin et al., 2002; PMID: 11847273). The antibody stabilized an unstable human lysozyme mutant that forms fibrils and amyloids. The crystal structure of the original version of the antibody in complex with human lysozyme was determined (Dumoulin et al., 2003; PMID: 12917687). The original antibody was humanized and the binding affinity for human lysozyme was measured by surface plasmon resonance ($K_d = 2.36$ nM). The crystal structure of the humanized version of the antibody in complex with human lysozyme was determined (Vincke et al., 2009; PMID: 19010777).

Antibody First Published in: Dumoulin et al. Single-domain antibody fragments with high conformational stability. Protein Sci. 2002 Mar;11(3):500-15. doi: 10.1110/ps.34602. PMID:11847273

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.