



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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-Lysozyme [cAbHul6] Standard Size Ab03621-23.159

**Isotype and Format:** Rabbit IgG-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:** 200 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.