



# 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-Carbonic anhydrase [cAbCA05] Bulk size M Ab03620-1.159-BS

**Isotype and Format:** Mouse IgG1-Fc fusion

**Clone Number:** cAbCA05

**Alternative Name(s) of Target:** cAb-CA05; carbonic anhydrases; carbonate dehydratases; CA

**UniProt Accession Number of Target Protein:** P00921

**Published Application(s):** crystallization

**Published Species Reactivity:** Cow

**Immunogen:** The original antibody was generated by immunizing a dromedary with bovine erythrocyte carbonic anhydrase. A phage display library was constructed and the antibody was selected by panning.

**Specificity:** The antibody is specific for carbonic anhydrase.

**Application Notes:** The crystal structures of a the VHH antibody both as free antibody (Decanniere et al., 2000; PMID: 10864500 and Desmyter et al. 2000; PMID: 11342547) and in complex with its antigen (Desmyter et al., 2000; PMID: 11342547) were determined. The VHH antibody recognized the bovine erythrocyte carbonic anhydrase with an affinity of 72 nM (Kd) (Desmyter et al., 2000; PMID: 11342547). The antibody did not inhibit the enzymatic activity of the antigen (Desmyter et al., 2000; PMID: 11342547 and Lauwereys et al., 1998; PMID: 9649422).

**Antibody First Published in:** Lauwereys et al. Potent enzyme inhibitors derived from dromedary heavy-chain antibodies. EMBO J. 1998 Jul 1;17(13):3512-20. [PMID:9649422](#)

**Note on publication:** The original paper describes the generation and characterization of the antibody

### 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:** See vial label

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.