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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Carbonic anhydrase [cAbCA05] Standard Size Ab03620-23.159

Isotype and Format: Rabbit IgG-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: 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.