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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Cholera enterotoxin B subunit [A9 (LCTA9)] Standard Size Ab02809-10.159

This chimeric human antibody was made using the variable domain sequences of the original VHH format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1-Fc fusion

Clone Number: A9 (LCTA9)

Alternative Name(s) of Target: ctxB; toxB; VC_1456; Cholera enterotoxin subunit B; Cholera enterotoxin B chain; Cholera enterotoxin gamma chain; Cholera toxin B subunit

UniProt Accession Number of Target Protein: P01556

Published Application(s): SPR, ELISA

Published Species Reactivity: Vibrio cholerae

Immunogen: The original antibody was isolated from a non-immune semisynthetic llama library constructed from blood samples (6 ml) collected from the left jugular vein of three research naïve mature llamas.

Specificity: This antibody binds the B subunit of the cholera toxin.

Application Notes: The binding specificity of this antibody towards cholera toxin was checked using ELISA (PMID:17165813). SPR was used to determine the dissociation constant (Kd) of VHH A9; the Kd was determined to be 77 ± 5 nM (PMID: 23385744). It was reported that two point mutations (N27D and R71I) help stabilize A9 wild-type form which has a relatively low melting point (PMID: 31342597).

Antibody First Published in: Goldman et al. Facile Generation of Heat Stable Antiviral and Antitoxin Single Domain Antibodies from a Semi-synthetic Llama Library. Anal Chem. 2006 Dec 15; 78(24): 8245-8255. [PMID:17165813](#)

Note on publication: A semisynthetic llama library was constructed from non-immune llamas and binders specific for live vaccinia virus (a smallpox virus surrogate), hen egg lysozyme, cholera toxin, ricin, and staphylococcal enterotoxin B were selected.

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.