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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-domoic acid [DA24cB7] Bulk Size Ab04146-30.11-BT

This is an scFv fragment with a His tag.

This is a reformatted sheep scFv antibody, based on the original sheep scFv format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: scFv fragment (His), ScFv

Clone Number: DA24cB7

Alternative Name(s) of Target: DA; (2S,3S,4S)-4-[(2Z,4E,6R)-6-Carboxyhepta-2,4-dien-2-yl]-3-(carboxymethyl)pyrrolidine-2-carboxylic acid

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Specie independent

Immunogen: The original antibody was originated from a scFv phage library obtained from a sheep hyperimmunised with DA-BSA conjugate. It was isolated by panning against DA.

Specificity: The antibody is specific for domoic acid. Domoic acid is a kainic acid-type neurotoxin that causes amnesic shellfish poisoning. It is produced by algae and accumulates in shellfish, sardines, and anchovies. When sea lions, otters, cetaceans, humans, and other predators eat contaminated animals, poisoning may result.

Application Notes: The specificity of the original format of the antibody was confirmed by competitive ELISA using plates coated with DA-OVA (150 of 1.21 ng/mL (3.9 nM)). The assay was used for the determination of DA levels in shellfish extracts (Shaw et al., 2008; PMID: 18384202).

Antibody First Published in: Shaw et al. Development of a high-affinity anti-domoic acid sheep scFv and its use in detection of the toxin in shellfish Anal Chem. 2008 May 1;80(9):3205-12. doi: 10.1021/ac7024199. Epub 2008 Apr 3. [PMID:18384202](#)

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

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

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: 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.