Anti-domoic acid [DA24cB7] Bulk Size Ab04146-23.0-BT

Isotype and Format: Rabbit IgG, Lambda
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 (I50 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: 1 mg Purified antibody in bulk size.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: Store at 4ºC for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20ºC.
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.