

Anti-Neurotoxin AahII [4C1] Standard Size Ab00366-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 4C1

Alternative Name(s) of Target: neurotoxin II; alpha-mammal toxin II

UniProt Accession Number of Target Protein: P01484

Published Application(s): NTRL, ELISA

Published Species Reactivity: Androctonus australis hector

Immunogen: C-terminus of AahII

Specificity: This scFv binds specifically to the C-terminal region of the toxin.

Application Notes: This scFv binds to the C-terminus of the neurotoxin AahII, which binds and blocks sodium channels in a voltage-independent manner. The antibody neutralizes the toxin.

Antibody First Published in: Mousli et al. 1999 A recombinant single-chain antibody fragment that neutralizes toxin II from the venom of the scorpion Androctonus australis hector. FEBS Letters 1999; 442(2-3):183-188 [PMID:9928998](#)

Note on publication: Describes the engineering of an scFv that, similar to the whole antibody, neutralizes the activity of the neurotoxin.

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.