

Anti-Neurotoxin AahII [4C1] Standard Size Ab00366-1.4

Recombinant monoclonal antibody to Neurotoxin AahII. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the scFv 4C1. This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse 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.