

Anti-Myotoxin II [TPL0039_05_E2] Standard Size Ab01643-10.3

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

This full-length, reformatted human antibody was made using the variable domain sequences of the original Human scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, [Fc Silent™](#), Lambda

Clone Number: TPL0039_05_E2

Alternative Name(s) of Target: Basic phospholipase A2 homolog 2; svPLA2 homolog; Myotoxin-II; MtxII

UniProt Accession Number of Target Protein: P24605

Published Application(s): plate test

Published Species Reactivity: Bothrops asper (Terciopelo)

Immunogen: In order to raise the antibody, three phage display selection rounds were performed against myotoxin-II, using the IONTAS library. The IONTAS library is a human antibody phage display library of 4×10^{10} clones displaying antibodies in the short chain variable fragment (scFv) form.

Specificity: TPL0039_05_E2 antibody recognizes myotoxin-II, which is one of the major toxins in the venom of the snake Bothrops asper (Terciopelo).

Application Notes: TPL0039_05_E2 scFv (and its other antibody formats) is recommended for the research on anti-myotoxin-II (Bothrops asper (Terciopelo)) treatment (for snakebites).

Antibody First Published in: Sørensen et al. Discovery of human recombinant antibodies against myotoxin-II from the notorious Bothrops asper. 10.13140/RG.2.2.35413.47847. [PMID:](#)

Note on publication: This poster describes the generation and characterization of the TPL0039_05_E2 antibody, as a potential treatment for Bothrops asper snakebites.

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.