

Anti-Cytotoxin 1, 3, 7 [TPL0027_01_F7] Standard Size Ab01642-1.1

This full-length, chimeric mouse 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: Mouse IgG1, Kappa

Clone Number: TPL0027 01 F7

Alternative Name(s) of Target: CTX1,3,7; CX1; Cardiotoxin F8; Cardiotoxin-I; CTX-I; Toxin CM-6;

Cytotoxin 3; CX3; Toxin CM-7; Cytotoxin 7; Toxin CM-4B

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Naja nigricollis

Immunogen: The antibody was raised using IONTAS phage display library, a na $\ddot{\text{u}}$ na

Specificity: TPL0027_01_F7 antibody recognizes cytotoxins 1, 3 and 7, which are some of the major toxins in the venom of the black-necked spitting cobra (Naja nigricollis).

Application Notes: TPL0027_01_F7 antibody has high affinity to the cytotoxins 1, 3 and 7. It was demonstrated by normalized ELISA, which circumvents the limitation of a simple ELISA by removing the expression variable, normalizing the amount of scFv in each well. The antibody's high affinity was confirmed by its ability to bind the target proteins in a venom fraction even at 1:32,000 dilution (3.125 · 10^-2) µg/mL (Jürgensen et al., 2019 [poster]). It is recommended for the research on the antitoxin against Naja nigricollis snakebites.

Antibody First Published in: Jürgensen et al. Harnessing monoclonal antibodies for development of a specific treatment against Naja nigricollis envenoming. 10.13140/RG.2.2.24771.14884. PMID:

Note on publication: This poster describes the generation and characterization of the TPL0027_01_F7 antibody among other antibodies directed against the venom toxins of Naja nigricollis.

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.