

Anti-LF anthrax [F5-1] Standard Size Ab02357-2.0

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

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: F5-1

Alternative Name(s) of Target: lethal factor; LF; Anthrax lethal toxin endopeptidase component; anthrax toxin

UniProt Accession Number of Target Protein: P15917

Published Application(s): ELISA

Published Species Reactivity: Bacillus anthracis

Immunogen: The original scFv version of this antibody was isolated from a phage display library generated from immunized chimpanzees.

Specificity: This antibody recognizes lethal factor (LF) of anthrax toxin. LF is the lethal factor that, when associated with PA, causes death. LF is not toxic by itself. It is a protease that cleaves the N-terminal of most dual specificity mitogen-activated protein kinase kinases (MAPKKs or MAP2Ks) (except for MAP2K5).

Application Notes: The original scFv version of this antibody was confirmed to strongly bind anthrax lethal factor (LF) via ELISA (Chen et al., 2006; pmid: 16453257).

Antibody First Published in: Chen et al. Efficient Neutralization of Anthrax Toxin by Chimpanzee Monoclonal Antibodies against Protective Antigen J Infect Dis. 2006 Mar 1; 193(5): 625-633. [PMID:16453257](#)

Note on publication: Describes the generation and characterization of anti-PA and anti-LF anthrax antibodies.

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.