

Anti-Cardiac Troponin I [scFv 180] Standard Size Ab00434-10.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

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

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, Lambda

Clone Number: scFv 180

Alternative Name(s) of Target: TNNI3; cTnl; cTn-I

UniProt Accession Number of Target Protein: P19429

Published Application(s): SPR, WB

Published Species Reactivity: Human

Immunogen: Cardiac Troponin I peptide (KISASRKLQLKT).

Specificity: This antibody binds specifically to the cardiac Troponin I Peptide KISASRKLQLKT. This epitope is 100% conserved among a great variety of mammalian species, including most monkeys, Squirrel, Hamster, Mouse, Rat, Rabbit, Whales, Mole-Rat, Antelope and several other mammals.

Application Notes: Troponin I is the inhibitory subunit of troponin, the thin filament complex that confers calcium-sensitivity to muscle-actomyosin ATPase activity. Cardiac Troponin I in the blood is also a marker for several heart muscle damages including myocardial infarction.

Antibody First Published in: Conroy et al. Reconciling the structural attributes of avian antibodies. Journal of Biological Chemistry 2014; 289(22):15384-15392 [PMID:24737329](#)

Note on publication: Describes the use of phage display libraries to generate chicken antibodies against human cardiac troponin and PSA with subsequent crystallisation.

Product Form

Size: 100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.