

Product datasheet for **TA385951**

Cardiac Troponin I (TNNI3) Mouse Monoclonal Antibody [Clone ID: scFv 180]

Product data:

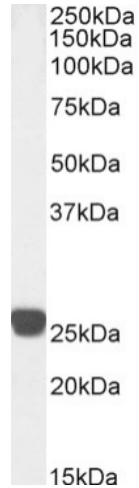
Product Type:	Primary Antibodies
Clone Name:	scFv 180
Applications:	WB
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, lambda
Clonality:	Monoclonal
Immunogen:	Cardiac Troponin I peptide (KISASRKLQLKT).
Specificity:	<p>This antibody binds specifically to the cardiac Troponin I Peptide KISASRKLQLKT. This 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.</p> <p>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.</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	troponin I3, cardiac type
Database Link:	Entrez Gene 7137 Human P19429
Synonyms:	CMD2A; CMH7; cTnI; MGC116817; RCM1; TNNC1



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

Product images:



Western Blot using anti-Cardiac Troponin I antibody scFv 180 (TA385951) Human heart lysate (35µg protein in RIPA buffer) was resolved on a 10% SDS PAGE gel and blots probed with the chimeric mouse IgG1 version of scFv 180 (TA385951) at 0.001 µg/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The predicted running size for Cardiac Troponin I is 24.0 kDa. TA385951 successfully detected Cardiac Troponin I in human heart lysate.