

## Product datasheet for **AM50025PU-S**

### TNNI1 Mouse Monoclonal Antibody [Clone ID: AT36E7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AT36E7
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1/500-1/5000. Recommended starting dilution is 1/5000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant Human TNNI1 (1-187aa) purified from E. coli
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	troponin I1, slow skeletal type
Database Link:	<a href="#">Entrez Gene 7135 Human P19237</a>



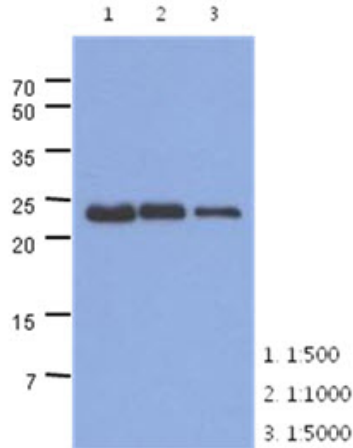
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**Background:**

Troponin I, slow skeletal muscle, also known as TNNI1, belongs to the troponin I family. The troponin I subfamily contains three genes: TNNI-skeletal-fast-twitch, TNNI-skeletal-slow-twitch, and TNNI-cardiac. The TNNI-fast and TNNI-slow genes are expressed in fast-twitch and slow-twitch skeletal muscle fibers, respectively, while the TNNI-cardiac gene is expressed exclusively in cardiac muscle tissue. TNNI1 is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation.

**Synonyms:**

TNNI1

**Product images:**

The extracts of mouse muscle (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human TNNI1 antibody (1:500 ~ 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.