

## Product datasheet for **AM20673PU-N**

### Troponin T1 (TNNT1) Mouse Monoclonal Antibody [Clone ID: TT-98]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TT-98
Applications:	IHC, IP, WB
Recommended Dilution:	<b>Western Blot:</b> Use at 2-4 µg/ml with the appropriate system to detect Troponin T in cells and tissues. <b>Immunohistochemistry on Frozen Sections:</b> Use at 4-8 µg/ml to detect Troponin T in formalin or Acetone fixed tissues. <b>Immunohistochemistry on Paraffin Sections:</b> Use at 4-8 µg/ml to detect Troponin T in formalin fixed and paraffin embedded tissues.
Reactivity:	Chicken, Human, Mouse, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Troponin T from Rabbit skeletal muscle.
Specificity:	This antibody recognizes Skeletal muscle Troponin T.
Formulation:	1.2% Sodium Acetate, with 2mg BSA and 0.01mg Sodium Azide State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 1.2% Sodium Acetate or neutral PBS
Concentration:	0.1 mg/ml (after reconstitution with 1ml PBS)
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	troponin T1, slow skeletal type



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**Database Link:** [Entrez Gene 21955 Mouse](#)[Entrez Gene 171409 Rat](#)[Entrez Gene 7138 Human P13805](#)

**Background:** The troponin complex is located on the thin filament of striated muscle and is composed of 3 component polypeptides: troponin 1, troponin T and troponin C. Three troponin T genes have been described on the basis of molecular cloning in humans and other vertebrates. These are expressed in a tissue-specific manner and encode the troponin T isoforms expressed in slow skeletal muscle (TNNT1), cardiac muscle(TNNT2),and fast skeletal muscle (TNNT3). TNNT1, TNNT2, TNNT3 are located on 19q13.4, 1q32, 11p15.5 respectively.

**Synonyms:** TnTs, TNNT1, TNT

**Protein Families:** Druggable Genome