

Product datasheet for **SM1372P**

Fast skeletal muscle Troponin T Mouse Monoclonal Antibody [Clone ID: T1/61]

Product data:

Product Type:	Primary Antibodies
Clone Name:	T1/61
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot. Immunohistochemistry on Frozen and Paraffin Sections: This product does not require protein digestion pre-treatment of paraffin sections; This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections. Recommended Positive Control Tissue: Skeletal muscle.
Reactivity:	Chicken, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Troponin T, purified from chicken breast muscle. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognises fast muscle Troponin T.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Database Link:	P12620



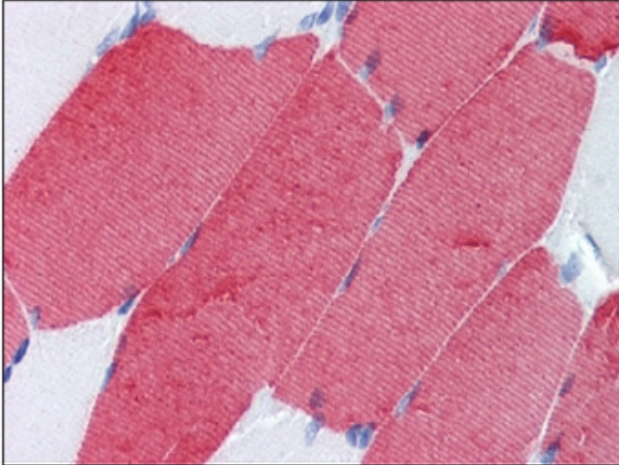
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Background:

The contraction of striated muscle is initiated by the binding of intracellular calcium to the troponin complex located in the thin filaments. The complex consists of the 3 different troponins; troponin C, troponin T, and troponin I. Troponin T is the tropomyosin binding subunit of troponin which confers calcium sensitivity to striated muscle actomyosin ATPase activity. TNNT3 (Troponin T type 3 (skeletal, fast)) is one of 3 identified troponin T proteins which are encoded by different genes.

Synonyms:

TnTf, Beta TnTF, TNNT3

Product images:

Immunohistochemistry: SM1372P/PT TNNT3 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Skeletal Muscle at 10 g/ml followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.