



## Mouse monoclonal antibody to Troponin T [TT-98]: IgG

<b>Catalogue No.:</b>	M-1227-100
<b>Description:</b>	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Troponin is found on the thin filament of striated muscles and is composed of three subunits: troponin C, T and I. Troponin T binds tropomyosin. Three genes encode Tropomyosin T in a tissue specific manner; slow skeletal muscle (TNNT1), cardiac muscle (TNNT2) and fast skeletal muscle (TNNT3). All 3 forms of troponin T have multiple isoforms produced by alternative splicing.
<b>Replaced by:</b>	M-1788-100
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 $\mu$ g
<b>Antigen:</b>	Troponin T from rabbit skeletal muscle
<b>Clone:</b>	TT-98
<b>Other Names:</b>	Troponin T; TnTs; sTnT; TNNT1; TNNT2; TNNT3; TNT;
<b>Accession:</b>	P02641 TNNT3_RABIT; P13805 TNNT1_HUMAN; P45379 TNNT2_HUMAN; P45378 TNNT3_HUMAN;
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 2.0-4.0 $\mu$ g/ml is recommended for WB. Rabbit TNNT3 (isoform TNT1) has a predicted length of 279 residues and a MW of 33 kDa. A concentration of 4.0-8.0 $\mu$ g/ml is recommended to detect the protein in formalin fixed and paraffin embedded tissues as well as formalin/acetone fixed frozen tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; mouse; rat; rabbit; chicken;
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN3
<b>Reconstitution:</b>	Reconstitute in 1 ml of PBS (pH 7.4) to achieve an antibody concentration of 100 $\mu$ g/ml. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2 - 4 $^{\circ}$ C (lyophilized formulations). After reconstitution, aliquot and store at -20 $^{\circ}$ C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase

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FOR RESEARCH USE ONLY