

Product datasheet

Anti-Cardiac Troponin C antibody [7B9] ab38174

概述

产品名称	Anti-Cardiac Troponin C抗体[7B9]
描述	小鼠单克隆抗体[7B9] to Cardiac Troponin C
特异性	This antibody is specific for cardiac Troponin C.
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Human cardiac Troponin C.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
纯度	Protein A purified
克隆	单克隆
克隆编号	7B9
骨髓瘤	Sp2/0
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab38174** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
AP		Use at an assay dependent dilution.
WB		Use at an assay dependent dilution. Predicted molecular weight: 18 kDa.

靶标

功能 Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three

components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments.

#### 疾病相关

Defects in TNNC1 are the cause of cardiomyopathy dilated type 1Z (CMD1Z) [MIM:611879]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

Defects in TNNC1 are the cause of familial hypertrophic cardiomyopathy type 13 (CMH13) [MIM:613243]. A hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death.

#### 序列相似性

Belongs to the troponin C family.  
Contains 4 EF-hand domains.

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