



Magic™ Mouse Anti-Canine cTnI Monoclonal antibody, clone DBO1 (DMAB-CS24599)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Canine cTnI
Target	Canine cTnI
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Canine
Clone	DBO1
Conjugate	Unconjugated
Applications	ELISA(Cap), LFIA, CLIA, TINIA, POCT We recommend the following antibodies for sandwich immunoassay (Capture - Detection): DMAB-CS24599 - DMAB-CS24600
Format	Lyophilized
Size	1 mg
Buffer	Lyophilized from sterile PBS, PH 7.4
Preservative	None
Storage	Store at -20°C to -80°C under sterile conditions. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction

Troponin I, also known as TNI, is a 24-29 kDa component of a protein complex on striated muscle thin filaments. Troponin I inhibits the calcium-dependent muscle contraction mediated by Troponins C and T. The expression of cardiac Troponin I (TNNI3) is restricted to cardiac muscle, while TNNI1 and TNNI2 (encoded by distinct genes) are expressed in skeletal muscle. Mutations of cardiac Troponin I are associated with hereditary cardiomyopathy.

Keywords

cTnI; cardiac troponin I; troponin I; TnI