



# Magic™ Mouse Anti-Canine cTnI Monoclonal antibody, clone DBO2 (DMAB-CS24600)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Canine cTnI
<b>Target</b>	Canine cTnI
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Canine
<b>Clone</b>	DBO2
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(Det), LFIA, CLIA, TINIA, POCT We recommend the following antibodies for sandwich immunoassay (Capture - Detection): DMAB-CS24599 - DMAB-CS24600
<b>Format</b>	Lyophilized
<b>Size</b>	1 mg
<b>Buffer</b>	Lyophilized from sterile PBS, PH 7.4
<b>Preservative</b>	None
<b>Storage</b>	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