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**Product Name: Cardiac Troponin I (1D7) Mouse Monoclonal Antibody****Catalog #: AMM03685**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2a
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	Calculated MW: 24 kDa; Observed MW: 28 kDa

**Antigen Information**

<b>Gene Name</b>	TNNI3
<b>Alternative Names</b>	TNNI3; TNNC1; Troponin I; cardiac muscle; Cardiac troponin I
<b>Gene ID</b>	7137
<b>SwissProt ID</b>	P19429
<b>Immunogen</b>	A synthetic peptide of human Cardiac Troponin I

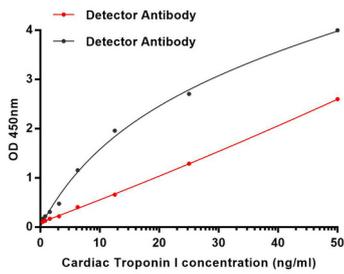
**Background**

Troponin I (TnI) is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle; see also TNNI1 (MIM 191042). The others are troponin T (TnT; see MIM 191041) and troponin C (TnC; see MIM 191040).

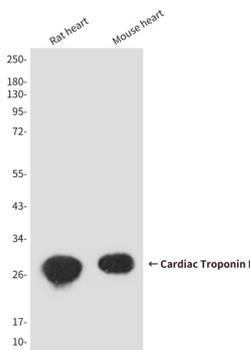
## Research Area

Signal Transduction

## Image Data



sELISA standard Curve for Cardiac Troponin I: Capture antibody antibody to Cardiac Troponin I at 2ug/ml and 2012951D7(1D7D) was used for detecting.



Western blot analysis of Cardiac Troponin I (1D7) in rat and mouse heart lysates using Cardiac Troponin I (1D7) antibody