

Rev01
Update: Sep,02,2025

DATASHEET

cTnI (6D11), mAb, Mouse

Cat. No.: V00302

Overview

Specificity	Human cTnI. No cross-reactivity with human cTnT
Clone ID	6D11
Epitope	80-90 within cTnI protein
Isotype	Mouse IgG1 for Mabs 6D11
Subclass	IgG1
Host Species	Mouse
Antigen Species	Human

Properties

Conjugation	Unconjugated
Production	Cultured in vitro under conditions free from animal-derived components
Purification	Protein A/G affinity column
Concentration	≥ 2mg/ml
Formulation	50 mM Na-citrate, 150 mM NaCl, pH 7.0, containing 0.03% ProClin 300.
Storage	For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Product Stability	Result for clones			
	Temperature, Time	5C7	6D11	31D
		32C		
	-80°C, 21 days			OK
	-20°C, 21 days			OK
	4°C, 21 days			OK
	20°C, 21 days			OK
	37°C, 21 days			OK
	40°C, 21 days			OK
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.			

Applications

Platform	Capture	Detection
ELISA	32CD	5C7
	32CD+6D11 (mixture for coating)	5C7
	31D	32CD
	5C7	6D11
CLIA	24E40HC	5C7HC
	32CD+6D11	5C7HC
TRFIA	24E40HC	5C7HC

Background

Target Background : Cardiac Troponin I (cTnI) is synthesized in cardiac muscle and forms a structural complex with Troponin T and C. Its concentration in blood increases after the onset of chest pain and maintains peak for a couple of weeks. The cTnI protein is considered as useful diagnosis marker for acute myocardial infarction (AMI).

Synonyms : Cardiac troponin I (cTnI) Antibody (6D11), mAb, Mouse

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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