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Rabbit anti-Human S100 Calcium Binding Protein mAb (DET)

Catalog No.: RM17907

Basic Information

Catalog No.
RM17907

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
This antibody can be stored at 2℃-8℃ for one monthwithout detectable loss of activity. Antibody products are stable for twelve months fromdate of receipt when stored at -20℃ to -80℃. Preservative-Free.
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.05%ProClin 300,PH 7.8.

Contact

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Background

Small calcium binding protein that plays important roles in several biological processes such as Ca2+ homeostasis, chondrocyte biology and cardiomyocyte regulation (PubMed:12804600).In response to an increase in intracellular Ca2+ levels, binds calcium which triggers conformational changes (PubMed:23351007).These changes allow interactions with specific target proteins and modulate their activity (PubMed:22399290).Regulates a network in cardiomyocytes controlling sarcoplasmic reticulum Ca2+ cycling and mitochondrial function through interaction with the ryanodine receptors RYR1 and RYR2, sarcoplasmic reticulum Ca2+-ATPase/ATP2A2 and mitochondrial F1-ATPase (PubMed:12804600).Facilitates diastolic Ca2+ dissociation and myofilament mechanics in order to improve relaxation during diastole (PubMed:11717446)

Immunogen Information

Immunogen
RecombinantHuman S100 Calcium Binding Protein

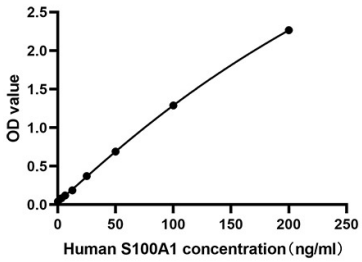
Cross-Reactivity

Assay Applications

Human S100 Sanwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.25-1ug/mL	Rabbit anti-Human S100 Calcium Binding Protein mAb (CAP)(Cat. No.RM17906)
ELISA Detection	0.0025-0.01ug/mL	Rabbit anti-Human S100 Calcium Binding Protein mAb (DET)(Cat. No.RM17907)
Standard	15.63-1000pg/mL	Recombinant Human S100 Calcium Binding Protein

Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for eachassay.