

# Rabbit anti-Human S100 Calcium Binding Protein A1(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°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C.  
Preservative □ 0.05% ProClin 300.  
**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2µm filtered solution in PBS with 0.05% ProClin 300, PH 7.4.

## Contact

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 | [www.abclonal.com](http://www.abclonal.com)

## Background

Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites. Binds to and initiates the activation of STK38 by releasing autoinhibitory intramolecular interactions within the kinase. Interaction with AGER after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling. Could assist ATAD3A cytoplasmic processing, preventing aggregation and favoring mitochondrial localization. May mediate calcium-dependent regulation on many physiological processes by interacting with other proteins, such as TPR-containing proteins, and modulating their activity

## Immunogen Information

**Immunogen**  
Recombinant Human S100 Calcium Binding Protein A1

## Cross-Reactivity

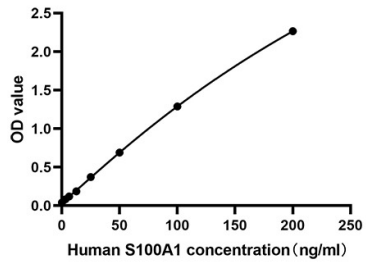
## Assay Applications

Human S100 Calcium Binding Protein A1 Sandwich ELISA Immunoassay

|                 | Recommended Concentration | Sample   |
|-----------------|---------------------------|--|
| ELISA Capture   | 1-4µg/mL                  | Rabbit anti-Human S100 Calcium Binding Protein A1 (CAP)(Cat. No.RM17906) |
| ELISA Detection | 0.05-0.2µg/mL             | Rabbit anti-Human S100 Calcium Binding Protein A1(DET)(Cat. No.RM17907)  |
| Standard        | 3.12-200ng/mL             | Recombinant Human S100 Calcium Binding Protein A1                        |

## Validation Data

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