

Datasheet for ABIN7425605  
**anti-S100 Protein (S100) (AA 1-94) antibody**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µL
Target:	S100 Protein (S100)
Binding Specificity:	AA 1-94
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Monoclonal Antibody to S100 Calcium Binding Protein (S100)
Immunogen:	Recombinant S100 Calcium Binding Protein (S100) corresponding to Met1~Ser94 with N-terminal His Tag
Clone:	C8
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against S100. It has been selected for its ability to recognize S100 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig
Purification:	Protein A + Protein G affinity chromatography

## Target Details

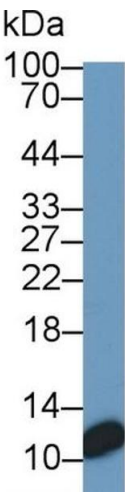
Target:	S100 Protein (S100)
Alternative Name:	S100 Calcium Binding Protein ( <a href="#">S100 Products</a> )
Background:	S100-A1, S100A1, S100-Alpha, S-100 Protein, S-100 protein subunit alpha, S-100 protein alpha chain
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">S100 Proteins</a>

## Application Details

Application Notes:	Western blotting: 0.5-3 µg/mL Immunohistochemistry: 5-30 µg/mL Immunocytochemistry: 5-30 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

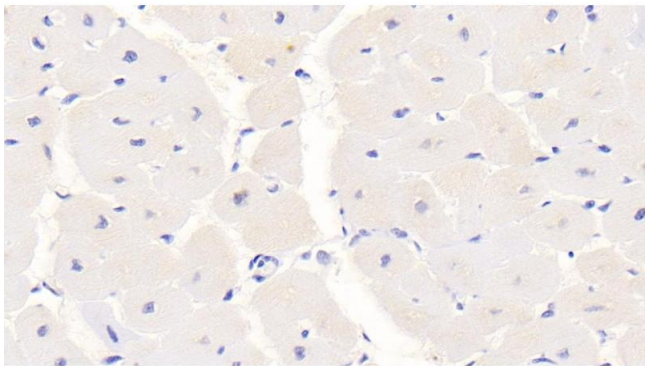
## Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

**Image 1.** Detection of S100 in HT1080 cell lysate using Monoclonal Antibody to S100 Calcium Binding Protein (S100)



Immunohistochemistry

**Image 2.** Detection of S100 in Human Cardiac Muscle Tissue using Monoclonal Antibody to S100 Calcium Binding Protein (S100)