

**Product Name: S100A9 Rabbit Monoclonal Antibody**  
**Catalog #: AMRe87385**



## Summary

<b>Production Name</b>	S100A9 Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, IHC-P, ICC/IF, FC
<b>Reactivity</b>	Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	S100A9
<b>Alternative Names</b>	p14; Cagb; GAGB; L1Ag; BEE22; MRP14; 60B8Ag; AW546964
<b>Gene ID</b>	20202
<b>SwissProt ID</b>	P31725.

## Application

<b>Dilution Ratio</b>	WB: 1:1000 IHC-P: 1:200-1:500 ICC/IF: 1:500-1:1000 FC: 1:200-1:500
<b>Molecular Weight</b>	Calculated MW:13 kDa; Observed MW:13 kDa

## Background

S100A9 is a calcium- and zinc-binding protein which plays a prominent role in the regulation of inflammatory processes

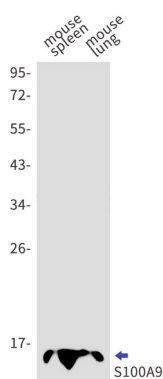
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and immune response. It can induce neutrophil chemotaxis, adhesion, can increase the bactericidal activity of neutrophils by promoting phagocytosis via activation of SYK, PI3K/AKT, and ERK1/2 and can induce degranulation of neutrophils by a MAPK-dependent mechanism. Predominantly found as calprotectin (S100A8/A9) which has a wide plethora of intra- and extracellular functions.

## Research Area

## Image Data



Western blot detection of S100A9 in mouse spleen, mouse lung cell lysates using S100A9 antibody (1:1000 diluted).

## Note

For research use only.