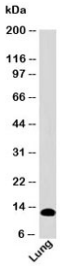
S100A8 Antibody [clone SA6279] (N1151)

Catalog No.	Formulation	Size
N1151-100UG	0.5 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SA6279
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	6279
Applications	Western blot: 2-4ug/ml
Limitations	This **S100A8 antibody** is available for research use only.



Western blot testing of human samples with S100A8 antibody (clone SA6279) at 2ug/ml. Predicted molecular weight ~11 kDa.

Description

The S100 family of proteins are found in vertebrates and are characterized by two calcium-binding sites that have a helix-loop-helix conformation. The family of 24 is divided into three subgroups based on function: those with intracellular, intracellular plus extracellular, and extracellular regulatory effects. The calcium-binding protein S100A8, also called MRP8 or Myeloid-related protein 8, and Calgranulin A, forms a heterodimer with S100A9, called Calprotectin. The heterodimer is expressed by granulocytes, monocytes, and early differentiation states of macrophages, and is known to be an important pro-inflammatory mediator in acute and chronic inflammation. S100A8 and 9 are DAMPs, or Damage-associated molecular pattern molecules, and are able to activate receptors of the innate immune system, one being TLR4.

Application Notes

Provided assay concentrations are suggestions only, S100A8 antibody titration may be required for optimal results.

Immunogen

A recombinant protein fragment from the N-terminal region of human S100A8 was used as the immunogen for this antibody.

Storage

Aliquot the S100A8 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

S100 calcium binding proteinA8, Calprotectin L1L subunit , MRP8, Calgranulin A

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