

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse S100A9 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse (rm) S100A4, rmS100A8, rmS100A10, rhS100B, or rhS100P is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 372510
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse S100A9 Met1-Lys113 Accession # P31725
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## BACKGROUND

S100A9, also known as calgranulin B or migration inhibitory factor-related protein 14 (MRP14), belongs to the S100 family of calcium binding proteins of the EF-hand type. It is highly expressed in myeloid cells and other cell types including keratinocytes, epithelial cells and endothelial cells. S100A9 is a cytosolic protein that can also be released into the extracellular milieu. It is associated with various inflammatory diseases.

## PRODUCT SPECIFIC NOTICES

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