

Datasheet for ABIN6940549

**Recombinant anti-S100A8 antibody****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	S100A8
Reactivity:	Human, Mouse, Rat, Cow, Pig, Rabbit, Dog, Cat, Monkey, Horse, Guinea Pig, Baboon, Goat
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Affinity Purified monocyte membrane preparation
Clone:	MAC3157R
Isotype:	IgG
Specificity:	<p>Recognizes the L1 or Calprotectin molecule, an intra-cytoplasmic antigen comprising of a 12 kDa alpha chain and a 14 kDa beta chain expressed by granulocytes, monocytes and by tissue macrophages. Macrophages usually arise from hematopoietic stem cells in the bone marrow. Under migration into tissues, the monocytes undergo further differentiation to become multifunctional tissue macrophages. They are classified into normal and inflammatory macrophages. Normal macrophages include macrophages in connective tissue (histiocytes), liver (Kupffer's cells), lung (alveolar macrophages), lymph nodes (free and fixed macrophages), spleen (free and fixed macrophages), bone marrow (fixed macrophages), serous fluids (pleural and peritoneal macrophages), skin (histiocytes, Langerhans's cell) and in other tissues.</p> <p>Inflammatory macrophages are present in various exudates. Macrophages are part of the</p>

## Product Details

innate immune system, recognizing, engulfing and destroying many potential pathogens including bacteria, pathogenic protozoa, fungi and helminthes. This MAb reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia and has been shown as an important marker for identifying macrophages in tissue sections.

Purification: Purified by Protein A/G

## Target Details

Target: S100A8

Alternative Name: S100A8 & S100A9 ([S100A8 Products](#))

Molecular Weight: 12-14kDa (doublet)

Gene ID: 6279, 6280

UniProt: [P05109](#), [P06702](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Positive Regulation of Endopeptidase Activity](#), [S100 Proteins](#)

## Application Details

Application Notes: Positive Control: Tonsil, lymph node or spleen.  
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

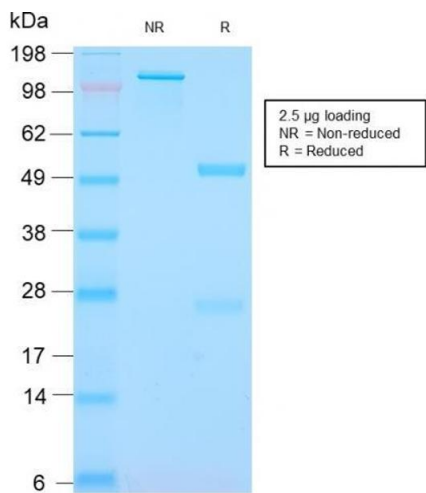
Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous. No MSDS required.

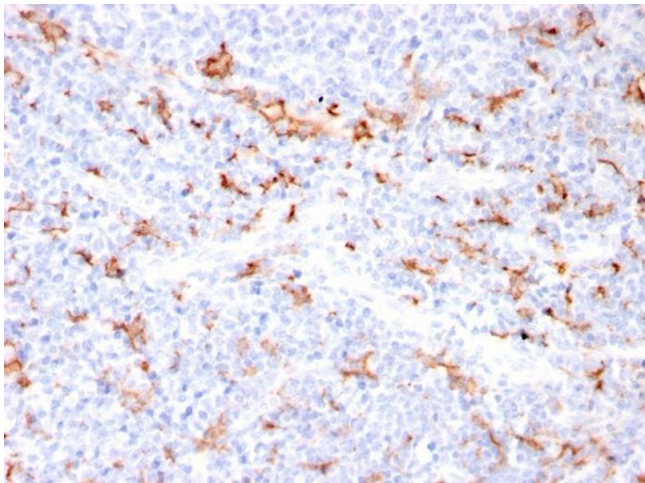
Expiry Date: 24 months

Images



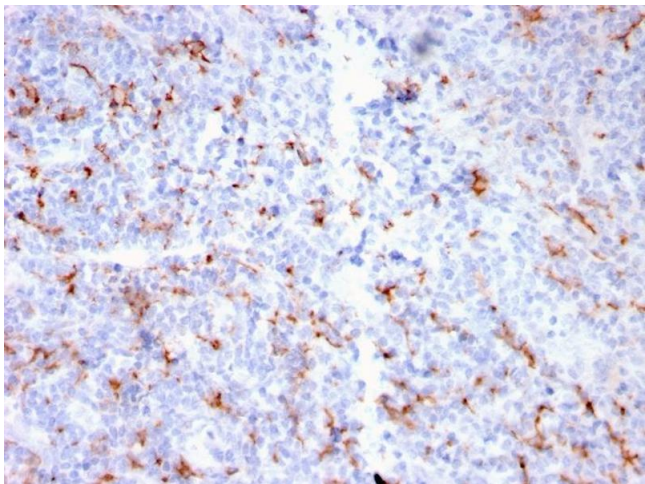
SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified S100A8/A9 Complex Recombinant Rabbit Monoclonal (MAC3157R). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Tonsil stained with S100A8/A9 Complex Recombinant Rabbit Monoclonal Antibody (MAC3157R).



Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Tonsil stained with S100A8/A9 Complex Recombinant Rabbit Monoclonal Antibody (MAC3157R).