

Datasheet for ABIN6940546

anti-S100A8 antibody**2** 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:	Mouse
Clonality:	Monoclonal
Conjugate:	This S100A8 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Affinity Purified monocyte membrane preparation
Clone:	MRP8 7C12-4
Isotype:	IgG1 kappa
Specificity:	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.

Product Details

Inflammatory macrophages are present in various exudates. Macrophages are part of the 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 ([S100A8 Products](#))

Molecular Weight: MAC387

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: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), 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

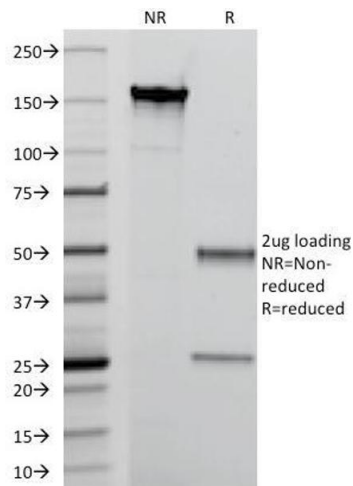
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Handling

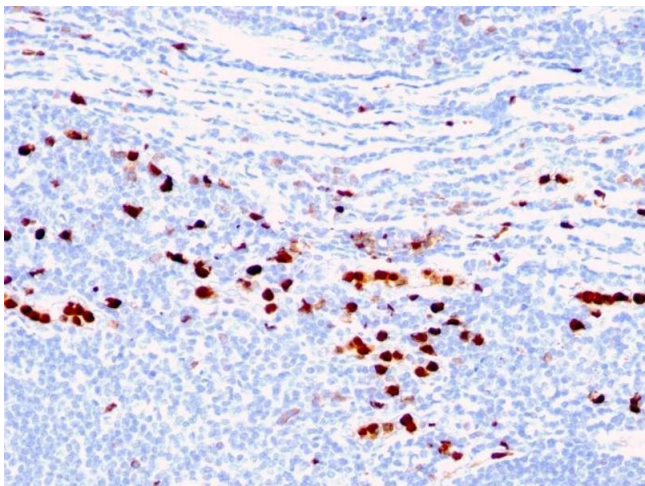
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Macrophage L1 Protein Mouse Monoclonal Antibody (MAC387). Confirmation of Integrity and Purity of Antibody



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with Macrophage L1 Protein Mouse Monoclonal Antibody (MAC387)