

Mouse Macrophage L1 Protein Monoclonal Antibody | anti-S100A8 antibody

Macrophage L1 Protein Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62807	Mouse	Human, Baboon, Monkey, Cow, Pig, Goat, Horse, Cat, Dog, Rabbit, Guinea Pig, Rat, Mouse	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Macrophage L1 Protein; Monoclonal Antibody; Macrophage L1 Protein Mouse Monoclonal Antibody; 60B8AG; Calgranulin A (CAGA); Calgranulin B (CAGB); Calprotectin L1L subunit; Chemotactic cytokine CP-10; Cystic fibrosis antigen (CFAG); Leukocyte L1 complex light chain; L1Ag; Macrophage L1 protein Calprotectin; Migration inhibitory factor related protein 8; Myeloid-related protein 8 (MRP-8 or P8); Myeloid-related protein 14 (MRP-14 or P14); Neutrophil cytosolic 7kDa protein; NIF; p8; Migration inhibitory factor related protein 14; S100 calcium binding protein A8 (S100A8); S100 calcium binding protein A9 (S100A9); S100A8/S100A9 complex; MA387; Pro-inflammatory S100 cytokine; Urinary stone protein band A; anti-S100A8 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Baboon, Monkey, Cow, Pig, Goat, Horse, Cat, Dog, Rabbit, Guinea Pig, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	SPM281
Specificity	Recognizes the L1 or Calprotectin molecule, an intra-cytoplasmic antigen comprising of a 12kDa alpha chain and a 14kDa 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. 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-S100A8 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Affinity purified monocyte membrane preparation
Hu-Chromosome Location	1q21
Positive Control	Tonsil, lymph node, or spleen
Preparation and Storage	Antibody with azide - store at 2-8°C Antibody without azide - store at -20°C to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Macrophage L1 Protein
Monoclonal Antibody (SPM281)

ADDITIONAL INFORMATION

References	Flavell DJ; Jones DB; Wright DH. Identification of tissue histiocytes on paraffin sections by a new monoclonal antibody. Journal of Histochemistry and Cytochemistry, 1987, 35(11):1217-26.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	984290540
NCBI GeneID	6279
NCBI Accession #	NP_001306126.1
NCBI GenBank Nucleotide #	NM_001319197.1
UniProt Accession #	P05109; Q5SY70; Q9UC84; Q9UC92; Q9UCJ0; Q9UCM6; A8K5L3; D3DV37
Molecular Weight	12-14kDa (doublet)
NCBI Official Full Name	protein S100-A8 isoform b
NCBI Official Synonym Full Names	S100 calcium binding protein A8
NCBI Official Symbol	S100A8
NCBI Official Synonym Symbols	P8; MIF; NIF; CAGA; CFAG; CGLA; L1Ag; MRP8; CP-10; MA387; 60B8AG
NCBI Protein Information	protein S100-A8
UniProt Protein Name	Protein S100-A8
UniProt Gene Name	S100A8
UniProt Synonym Gene Names	CAGA; CFAG; MRP8; CFAG; MRP-8; p8
UniProt Entry Name	S10A8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/macrophage-l1-protein-antibody-clone-spm281-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62807>