

Mouse anti-Human S100A8 Monoclonal Antibody | anti-S100A8 antibody

S100A8 Monoclonal Antibody

CATALOG # AAA78230	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot
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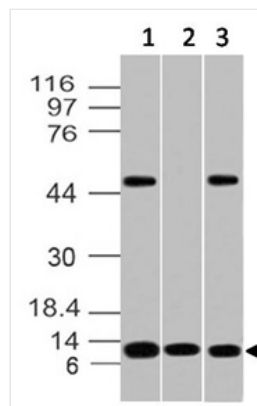
PRODUCT SYNONYMS

S100A8; Monoclonal Antibody; S100A8 Monoclonal Antibody; CAGA; CFAG; MRP8; anti-S100A8 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2b, Kappa
Clone Number	ABM41E4
Purity/Purification	Protein G Chromatography
Form/Format	Purified; 25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	89
Applicable Applications for anti-S100A8 antibody	WB (Western Blot)
Antigen	S100A8, human
Immunogen	A full length human S100A8 Protein were used as the immunogen for the antibody.
Preparation and Storage	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES



WB (Western Blot)

Fig-1: Western blot analysis of S100A8. Anti-S100A8 antibody (Clone: ABM41E4) was tested at 2 ug/ml on (1) human lungs, (2) THP-1 and (3) human heart lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A8 antibody	S100A8 is a low molecular weight (10 kDa) secreted cytoplasmic protein belongin g to S100 family of calcium- and zinc-binding protein. S100A8 regulates a number of cellular processes, such as, inflammation, antimicrobial, oxidant-scavenging and apoptosis-inducing activities, cell cycle progression and differentiation, leukocyte arachidonic acid trafficking and metabolism. S100A8 is a homodimer but predominantly remains as heterodimer with S100A9 and the S100A8/S100A9 complex is called as Calprotectin. S100A8 is generally expressed in myeloid cells, neutrophils, monocytes and keratinocytes but high levels are found in the serum sample of patients with inflammatory diseases, such as, rheumatoid, cystic fibrosis, inflammatory bowel disease, systemic lupus erythematosus, progressive systemic sclerosis and many other inflammatory diseases. S100A8 is also associated with Psoriasis (an inflammatory skin disorder characterized by keratinocyte hyperproliferation and altered differentiation).
Product Categories/Family for anti-S100A8 antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305453
NCBI GeneID	20201
NCBI Accession #	NP_038678.1
NCBI GenBank Nucleotide #	NM_013650.2
UniProt Accession #	P27005; P31724
NCBI Official Full Name	protein S100-A8
NCBI Official Synonym Full Names	S100 calcium binding protein A8 (calgranulin A)
NCBI Official Symbol	S100a8
NCBI Official Synonym Symbols	p8; B8Ag; CFAG; Caga; MRP8; CP-10; 60B8Ag; AI323541
NCBI Protein Information	protein S100-A8
UniProt Protein Name	Protein S100-A8
UniProt Gene Name	S100a8
UniProt Synonym Gene Names	Caga; Mrp8; MRP-8; p8
UniProt Entry Name	S10A8_MOUSE

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/s100a8-antibody-clone-abm41e4-western-blot-elisa/78230>