

Mouse anti-Human S100A7 Monoclonal Antibody | anti-S100A7 antibody

S100A7, Human, mAb 9F3

CATALOG # AAA77810	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunofluorescence, Immunohistochemistry
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PRODUCT SYNONYMS

S100A7; Monoclonal Antibody; Human; mAb 9F3; anti-S100A7 antibody

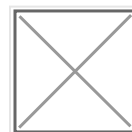
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	1 ml (100 mug/ml) 0.2 mum protein G purified antibody solution in PBS, containing 0.1% bovine serum albumin. For unit size 0.5 mg or larger: PBS only (concentration< 0.5mg/ml)
Sequence Length	101
Applicable Applications for anti-S100A7 antibody	WB (Western Blot), IF (Immunofluorescence), IA (Immunoassay), IHC (Immunohistochemistry)
Preparation and Storage	Should be stored at 4 degree C. Under recommended storage conditions, product is stable for at least one year.

IMAGES



IHC (Immunohistochemistry)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-S100A7 antibody	Antibody 9F3 recognizes human S100A7 (Psoriasin). S100A7 is a 11.4kDa member of the S100 gene family, which are EF-hand Ca 2+-binding proteins. They are involved in a broad range of intra- and extracellular processes like regulation of calcium homeostasis, cell proliferation, differentiation, apoptosis, immune responses, antimicrobial activity, chemotaxis and inflammation. S100 proteins have a fundamental structural unit which is a highly integrated dimer, some as homodimer and others as heterodimer. S100A7 functions as a homodimer and binds two Zn²⁺ ions. These ions stabilize the dimer and mediate the function of S100A7 during infection. Extracellular S100A7 functions as a DAMP during infection. S100A7 limits bacterial infection through metal limitation. Furthermore, S100A7 interacts with RAGE which drives an NF-kappaB mediated proinflammatory response and recruitment of neutrophils. S100A7 was first discovered as a protein abundantly expressed in psoriatic keratinocytes. Possibly, S100A7 adheres directly to, and reduces survival of, pathogens found on the epidermis and acts as a physical barrier. S100A7 also seems to be involved with breast cancer and squamous cell carcinoma. In vitro it was found to confer a more aggressive behavior.
Product Categories/Family for anti-S100A7 antibody	Autoimmunity; Tumor immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457324
NCBI GeneID	6278
UniProt Accession #	P31151; Q5SY67; Q6FGE3; Q9H1E2
Molecular Weight	11,471 Da
NCBI Official Full Name	S100A7
NCBI Official Synonym Full Names	S100 calcium binding protein A7
NCBI Official Symbol	S100A7
NCBI Official Synonym Symbols	PSOR1; S100A7c
NCBI Protein Information	protein S100-A7
UniProt Protein Name	Protein S100-A7
UniProt Gene Name	S100A7
UniProt Synonym Gene Names	PSOR1; S100A7C

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/s100a7-antibody-western-blot-immunofluorescence-immunoassay-immunohistochemistry-elisa/77810>