

Mouse anti-Human S100A1 Monoclonal Antibody | anti-S100A1 antibody

S100A1 (Astrocyte Marker) Mouse Monoclonal Antibody

CATALOG # AAA62588	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Immunofluorescence
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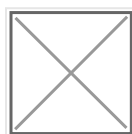
PRODUCT SYNONYMS

S100A1; Monoclonal Antibody; S100A1 (Astrocyte Marker) Mouse Monoclonal Antibody; Bpb; NEF; S100-A1; S100 Alpha Chain; S100 Beta Chain; S100 Calcium Binding Protein A1; S100 Calcium Binding Protein B; S100 Calcium Binding Protein Beta Neural; anti-S100A1 antibody

PRODUCT SPECIFICATIONS

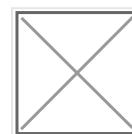
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	4C4.9
Specificity	S100 belongs to the family of calcium binding proteins. S100A and S100B proteins are two members of the S100 family. S100A is composed of an alpha and a beta chain whereas S100B is composed of two beta chains. This antibody is specific against an epitope located on the alpha-chain (i.e. in S-100A and S-100B) but not on the beta-chain of S-100 (i.e. in S-100B). This antibody can be used to localize S-100A in various tissue sections. S-100 protein has been found in normal melanocytes, Langerhans cells, histiocytes, chondrocytes, lipocytes, skeletal and cardiac muscle, epithelial and myoepithelial cells of the breast, salivary and sweat glands. Neoplasms derived from these cells also express S-100 protein. Almost all malignant melanomas and cases of histiocytosis X are positive for S-100 protein.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	94
Applicable Applications for anti-S100A1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence)
Cellular Localization	Cytoplasmic
Immunogen	Purified human S-100 protein conjugated to methylated BSA.
Hu-Chromosome Location	1q21.3
Positive Control	Brain, Melanoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IF (Immunofluorescence)

Confocal Immunofluorescent analysis of A2058 cells using AF488-labeled Isotype Control Monoclonal Antibody (IgG2a) (Green).



IF (Immunofluorescence)

Confocal Immunofluorescent analysis of A2058 cells using AF488-labeled S100A1 Monoclonal Antibody (4C4.9) (Green).

**WB (Western Blot)**

Western Blot of human Cerebellum Lysate using S100A1 Monoclonal Antibody (4C4.9).

**IHC (Immunohistochemistry)**

Formalin--paraffin human Melanoma stained with S100A1 Monoclonal Antibody (4C4.9) (AEC Chromogen)

**IHC (Immunohistochemistry)**

Formalin-fixed, paraffin-embedded human Melanoma stained with S100A1 Mouse Monoclonal Antibody (S1/61)

ADDITIONAL INFORMATION

References	McLaren KM et. al. Human Pathology, 1996, 27(7):633-6. Joshi MG et. al. Modern Pathology, 1996, 9(1):57-62.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5454032
NCBI GeneID	6271
NCBI Accession #	NP_006262.1
NCBI GenBank Nucleotide #	NM_006271.1
UniProt Accession #	P23297; Q5T7Y3; B2R5D9
Molecular Weight	10-12kDa
NCBI Official Full Name	protein S100-A1
NCBI Official Synonym Full Names	S100 calcium binding protein A1
NCBI Official Symbol	S100A1
NCBI Official Synonym Symbols	S100; S100A; S100-alpha
NCBI Protein Information	protein S100-A1
UniProt Protein Name	Protein S100-A1
UniProt Gene Name	S100A1
UniProt Synonym Gene Names	S100A
UniProt Entry Name	S10A1_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/s100a1-antibody-clone-4c4-9-immunohistochemistry-immunofluorescence-elisa/62588>