

Mouse anti-Human S100A6 Monoclonal Antibody | anti-S100A6 antibody

Anti-S100A6 Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255255	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

S100A6; Monoclonal Antibody; Anti-S100A6 Antibody; Mouse Monoclonal; S100A6 Antibody; Mouse MAb; S100 calcium binding protein A6; Anti-2A9 Antibody; Anti-5B10 Antibody; Anti-CABP Antibody; Anti-CACY Antibody; Anti-PRA Antibody; anti-S100A6 antibody

PRODUCT SPECIFICATIONS

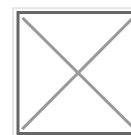
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	03
Specificity	Human S100A6
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-S100A6 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human S100A6 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human S100A6 (rh S100A6). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human S100A6 expression on HeLa cells. The cells were treated according to manufacturer's manual (BD Pharmingen), stained with purified anti-Human S100A6, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)

Immunofluorescence staining of Human S100A6 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human S100A6 monoclonal antibody (1:60) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-mouse IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A6 antibody	S100 protein is a family of low molecular weight protein found in vertebrates characterized by two EF-hand calcium-binding motifs. There are at least 21 different S100 proteins, and the name is derived from the fact that the protein is 100% soluble in ammonium sulfate at neutral pH. Most S100 proteins are disulfide-linked homodimer, and is normally present in cells derived from the neural crest, chondrocytes, macrophages, dendritic cells, etc. S100 proteins have been implicated in a variety of intracellular and extracellular functions. They are involved in regulation of protein phosphorylation, transcription factors, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, and the inflammatory response. S100A6 (S100 calcium-binding protein A6) is a member of the S100 family of proteins, and functions in prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of S100A6 have been implicated in melanoma.
Product Categories/Family for anti-S100A6 antibody	Calcium-binding Proteins and Related Molecules
References	Schafer, B.W. et al., 1996, Trends Biochem. Sci. 21 (4): 134-140. Donato, R. et al., 2003, Microsc. Res. Tech. 60 (6): 540-551. Nowotny, M. et al., 2003, J. Biol. Chem. 278 (29): 26923-26928. Nonaka D, et al., 2008, J. Cutan. Pathol. 35 (11): 1014-1019. Marenholz, I. et al., 2004, Biochem. Biophys. Res. Commun. 322 (4): 1111-22.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657532
NCBI GeneID	6277
NCBI Accession #	NP_055439.1
NCBI GenBank Nucleotide #	NM_014624.3
UniProt Accession #	P06703 ; Q5RHS4 ; D3DV39
Molecular Weight	10,180 Da
NCBI Official Full Name	protein S100-A6
NCBI Official Synonym Full Names	S100 calcium binding protein A6
NCBI Official Symbol	S100A6
NCBI Official Synonym Symbols	2A9; PRA; 5B10; CABP; CACY
NCBI Protein Information	protein S100-A6; MLN 4; S100 calcium-binding protein A6 (calcylin); growth factor-inducible protein 2A9; prolactin receptor-associated protein
UniProt Protein Name	Protein S100-A6
UniProt Gene Name	S100A6
UniProt Synonym Gene Names	CACY; PRA
UniProt Entry Name	S10A6_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/s100a6-antibody-clone-03-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/255255>