

## Mouse anti-Human S100A4 Monoclonal Antibody | anti-S100A4 antibody

S100A4 antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                                   |
|-----------|-------|------------|------------------------------------------------------------------------------------------------|
| AAA48178  | Mouse | Human      | Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA |

### PRODUCT SYNONYMS

S100A4; Monoclonal Antibody; S100A4 antibody; S100 calcium binding protein A4; 18A2; 42a; CapI; FSp1; metastasin; Mts1; PeL98; pk9a; anti-S100A4 antibody

### PRODUCT SPECIFICATIONS

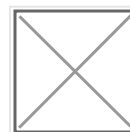
|                                                  |                                                                                                                                                                                   |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                             |
| Reactivity                                       | Human                                                                                                                                                                             |
| Clonality                                        | Monoclonal                                                                                                                                                                        |
| Isotype                                          | IgG2b, k                                                                                                                                                                          |
| Clone Number                                     | AT1C3                                                                                                                                                                             |
| Purity/Purification                              | By protein-A affinity chromatography                                                                                                                                              |
| Form/Format                                      | Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.                                                                                              |
| Concentration                                    | 1 mg/ml (varies by lot)                                                                                                                                                           |
| Sequence Length                                  | 101                                                                                                                                                                               |
| Applicable Applications for anti-S100A4 antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA                                                                           |
| Antigen Species                                  | Human                                                                                                                                                                             |
| Immunogen                                        | Recombinant human S100A4 (1-101aa) purified from E. coli                                                                                                                          |
| Clone Note                                       | Anti-human S100A4 mAb, clone AT1C3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human S100A4 protein. |
| Preparation and Storage                          | Can be stored at 4 degree C.<br>For long term storage, aliquot and store at -20 degree C.<br>Avoid repeated freezing and thawing cycles.                                          |

### IMAGES



#### IF (Immunofluorescence)

ICC/IF analysis of S100A4 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human S100A4 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of S100A4 in HeLa cells line, stained with DAPI (Blue) for nucleus staining, Wheat germ agglutinin (WGA) with fluorescein conjugate (Red) for plasma membrane staining and monoclonal anti-human S100A4 antibody (1:500) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



#### WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human S100A4 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate Lane 2. : A549 cell lysate Lane 3. : NIH/3T3 cell lysate Lane 4. : 3T3-L1 cell lysate

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-S100A4 antibody | S100 calcium-binding protein A4 (S100A4) is member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. |
| Product Categories/Family for anti-S100A4 antibody   | Cardiovascular; Angiogenesis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| References                                           | Stoler A., et al. (1985) Proc Natl Acad Sci USA. 82 (2): 570-574.; Choudhary C., et al. (2009) Science. 325: 834-840.; Bian Y., et al. (2014) J Proteomics. 96: 253-262.;                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 4506765                                  |
| NCBI GeneID                      | 6275                                     |
| NCBI Accession #                 | NP_002952                                |
| NCBI GenBank Nucleotide #        | NM_002961.2                              |
| UniProt Accession #              | P26447; Q6ICP8; A8K7R8; D3DV46           |
| Molecular Weight                 | 11,729 Da                                |
| NCBI Official Full Name          | protein S100-A4                          |
| NCBI Official Synonym Full Names | S100 calcium binding protein A4          |
| NCBI Official Symbol             | S100A4                                   |
| NCBI Official Synonym Symbols    | 42A; 18A2; CAPL; FSP1; MTS1; P9KA; PEL98 |
| NCBI Protein Information         | protein S100-A4                          |
| UniProt Protein Name             | Protein S100-A4                          |
| UniProt Gene Name                | S100A4                                   |
| UniProt Synonym Gene Names       | CAPL; MTS1                               |

**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/s100a4-antibody-clone-at1c3-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48178>