

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

S100A4 (Protein S100-A4, Calvasculin, Metastasin, Placental Calcium-binding Protein, Protein Mts1, S100 Calcium-binding Protein A4, CAPL, MTS1) (HRP)

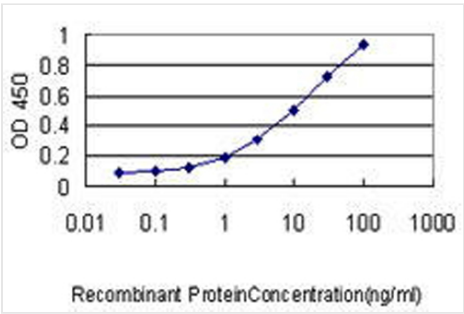
CATALOG # AAA25532	HOST Mouse	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
------------------------------	----------------------	-----------------------------------	--

PRODUCT SYNONYMS

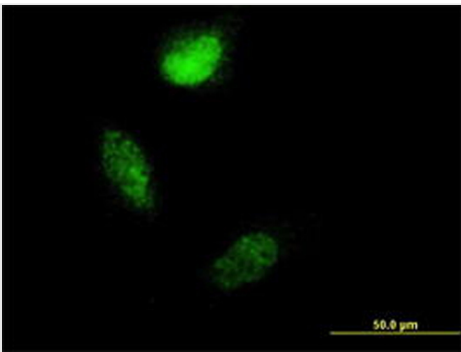
S100A4; Monoclonal Antibody; S100A4 (Protein S100-A4; Calvasculin; Metastasin; Placental Calcium-binding Protein; Protein Mts1; S100 Calcium-binding Protein A4; CAPL; MTS1) (HRP); anti-S100A4 antibody

PRODUCT SPECIFICATIONS

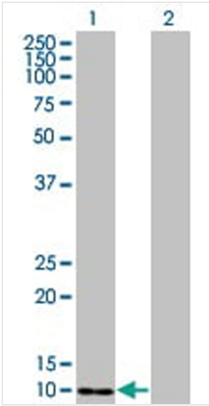
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1F12-1G7
Specificity	Recognizes human S100A4. Species Crossreactivity: mouse.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-S100A4 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-102 from human S100A4 (AAH16300) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MACPLEKALDVMVSTFHKYSGKEGDKFKLNKSELKELLTRELP SFLGKRTDEAAFQKLMSNLDSNRDNEVD FQEYCVFLSCIAMMCDEFFEGFPDKQPR
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



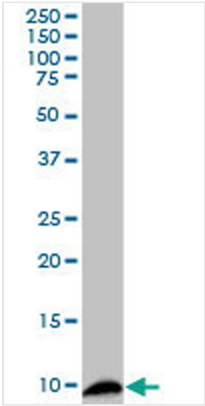
Application Data
Detection limit for recombinant GST tagged S100A4 is ~0.1ng/ml as a capture antibody.



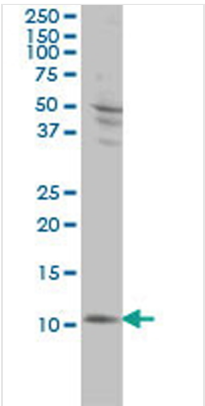
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to S100A4 on HeLa cell. [antibody concentration 15ug/ml]



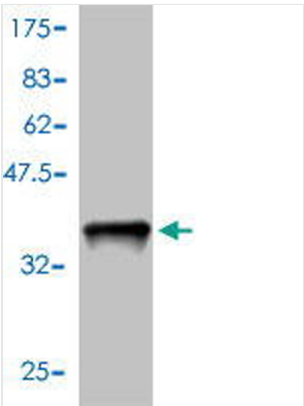
WB (Western Blot)
Western Blot analysis of S100A4 expression in transfected 293T cell line by S100A4 monoclonal antibody. Lane 1: S100A4 transfected lysate (11.7kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
S100A4 monoclonal antibody Western Blot analysis of S100A4 expression in NIH/3T3.



WB (Western Blot)
S100A4 monoclonal antibody Western Blot analysis of S100A4 expression in HeLa.



WB (Western Blot)
Western Blot detection against Immunogen (37.22kD)

ADDITIONAL INFORMATION

Related Product Information for anti-S100A4 antibody	S100 calcium binding protein A4 (S100A4) is a member of the S100 family of calcium-binding proteins that contain two Ca(2+)-binding sites including a canonical EF-hand motif. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells. S100A4 interacts with cytoskeletal proteins and enhances metastasis of several types of cancer cells. It is secreted by unknown mechanisms, thus, paracrinely stimulating a variety of cellular responses, including angiogenesis and neuronal growth. S100A4 has been shown to be a prognostic marker in a number of human cancers, including esophageal-squamous cancers, non-small lung cancers, primary gastric cancers, malignant melanomas, prostate cancers, bladder cancers, and pancreatic carcinomas. The universality of S100A4 expression in a variety of cancers illustrates the potential use of S100A4 as a marker for tumor metastasis and disease progression.
Product Categories/Family for anti-S100A4 antibody	Antibodies; Binding Proteins; Calcium
References	1. Potential role for S100A4 in the disruption of the blood-brain barrier in collagen-induced arthritic mice, an animal model of rheumatoid arthritis. Nishioku T, Furusho K, Tomita A, Ohishi H, Dohgu S, Shuto H, Yamauchi A, Kataoka Y.Neuroscience. 2011 May 26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16740880
NCBI GeneID	6275
Molecular Weight	11,729 Da
NCBI Official Full Name	Homo sapiens S100 calcium binding protein A4, mRNA
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/s100a4-antibody-clone-1f12-1g7-western-blot-elisa/25532>