BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-S100A4 (Marker of Tumor Metastasis) Monoclonal Antibody

Catalog Number: M01217

About S100A4

S100A4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium-binding domains. S100 genes include at least 25 members, including S100A1-S100A18, trichohyalin, filaggrin, repetin, S100P, and S100Z. S100A4 exerts its function via direct interaction with a number of proteins including P53, P63, non-muscle myosin IIA, Î±6Î²4 integrin, and liprin b1. S100A4 is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression.

Overview

Product Name	Anti-S100A4 (Marker of Tumor Metastasis) Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-S100A4 (Marker of Tumor Metastasis) Monoclonal Antibody (Catalog # M01217). Tested in Flow Cytometry, IF, WB, IHC applications. This antibody reacts with Human, Mouse.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC, WB
Clonality	Monoclonal Clone: S100A4/1482
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P26447

Technical Details

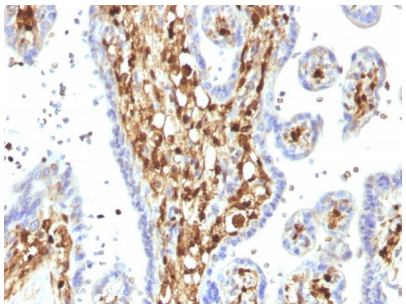
Immunogen	Recombinant fragment (around aa 1-101) of human S100A4 protein (exact sequence is proprietary)
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

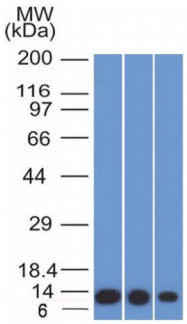
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Flow Cytometry (1-2ug/million cells) Immunofluorescence (1-2ug/ml) Western Blot (1-2ug/ml) Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

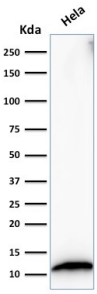
Anti-S100A4 (Marker of Tumor Metastasis) Monoclonal Antibody (M01217) Images



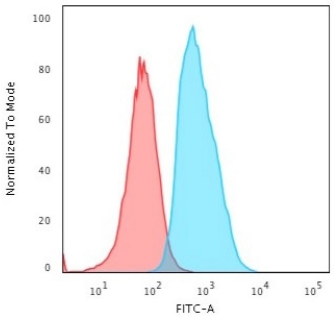
Formalin-fixed, paraffin-embedded human Placenta stained with Anti-S100A4 Mouse Monoclonal Antibody (S100A4/1482).



Western Blot of HeLa, A549 and A375 cell lysate using Anti-S100A4 Mouse Monoclonal Antibody (S100A4/1482).



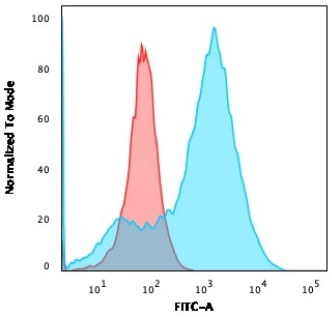
Western Blot analysis of HeLa cell lysate using Anti-S100A4 Mouse Monoclonal Antibody (S100A4/1482).

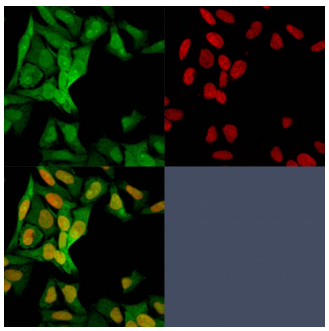


Flow Cytometric analysis of T98G cells using Anti-S100A4 Mouse Monoclonal Antibody (S100A4/1482) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Flow Cytometric analysis of A549 cells using Anti-S100A4 Mouse Monoclonal Antibody (S100A4/1482) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com





Confocal immunofluorescence image of HeLa Cells using Anti-S100A4 Mouse Monoclonal Antibody (S100A4/1482) followed by goat anti-mouse IgG-CF488 (green). Reddot is used to label the nuclei Red.

Anti-S100A4 (Marker of Tumor Metastasis) Monoclonal Antibody