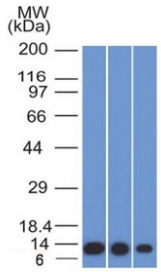
S100A4 Antibody / FSP1 [clone S100A4/1482] (V3435)

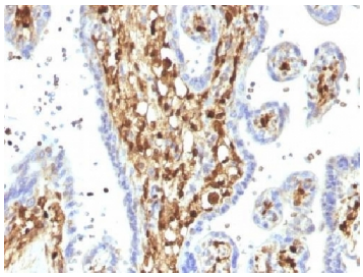
Catalog No.	Formulation	Size
V3435-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3435-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3435SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

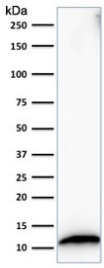
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	S100A4/1482
Purity	Protein G affinity chromatography
UniProt	P26447
Localization	Cytoplasmic, nuclear
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This S100A4 antibody is available for research use only.



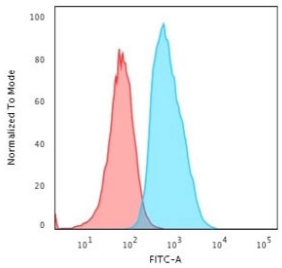
Western blot testing of human 1) HeLa, 2) A549 and 3) A431 cell lysate with S100A4 antibody (clone S100A4/1482). Predicted molecular weight ~12 kDa.



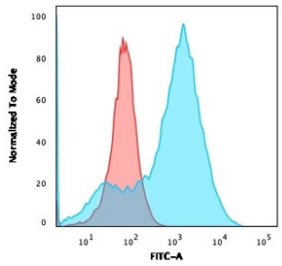
IHC testing of FFPE human placenta with S100A4 antibody (clone S100A4/1482). Required HIER: steam sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling.



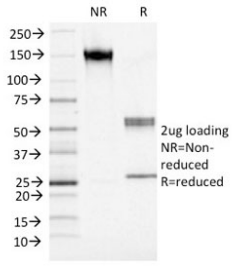
Western blot testing of human HeLa cell lysate with S100A4 antibody (clone S100A4/1482). Predicted molecular weight ~12 kDa.



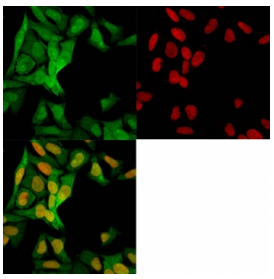
Flow cytometry testing of human T98G cells with S100A4 antibody (clone S100A4/1482); Red=isotype control, Blue= S100A4 antibody.



Flow cytometry testing of human A549 cells with S100A4 antibody (clone S100A4/1482); Red=isotype control, Blue= S100A4 antibody.



SDS-PAGE analysis of purified, BSA-free S100A4 antibody (clone S100A4/1482) as confirmation of integrity and purity.



IF/ICC testing of fixed and permeabilized human HeLa cells with FSP1 antibody (clone S100A4/1482, green) and Reddot nuclear stain (red).

Description

S100A4/FSP1 (Fibroblast specific protein 1) 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, a6b4 integrin, and liprin b1. S100A4 is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression.

Application Notes

The optimal dilution of the S100A4 antibody for each application should be determined by the researcher.

Immunogen

Human recombinant S100A4 protein was used as the immunogen for this S100A4 antibody.

Storage

Store the S100A4 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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