

Product Datasheet

S100A4 Antibody / FSP1 (orb750071)

Catalog Number	orb750071
Category	Antibodies
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.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human, Mouse
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	Human recombinant S100A4 protein was used as the immunogen for this S100A4 antibody.
UniProt ID	P26447
Tested applications	FACS, IF, IHC-P, WB
Dilution range	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

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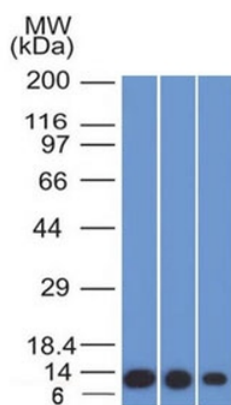
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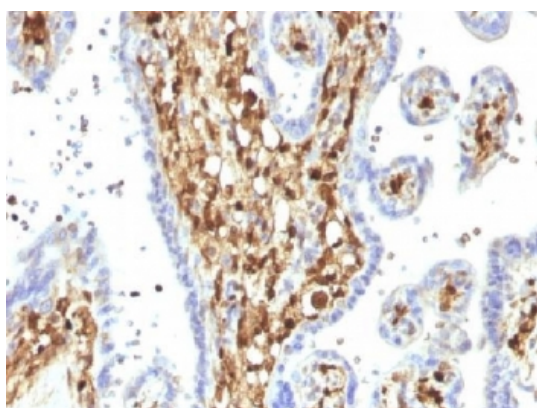
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Application notes	The optimal dilution of the S100A4 antibody for each application should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	S100A4/1482
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



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, pH6, for 10-20 min followed by cooling.

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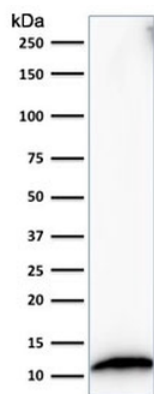
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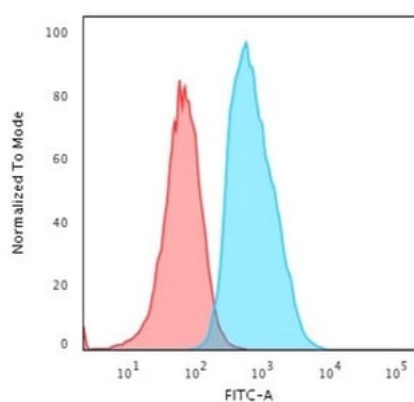
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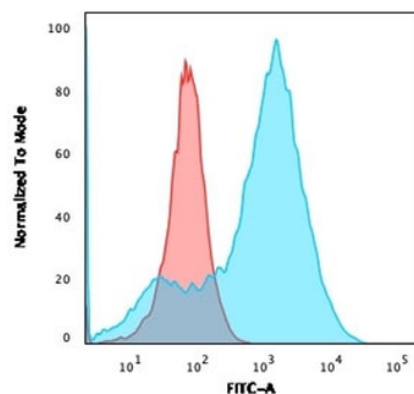
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Western blot testing of human HeLa cell lysate with S100A4 antibody (clone S100A4/1482). Predicted molecular weight ~12 kDa.



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.

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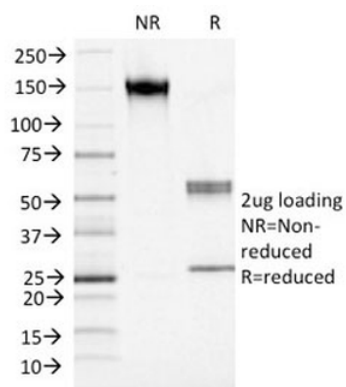
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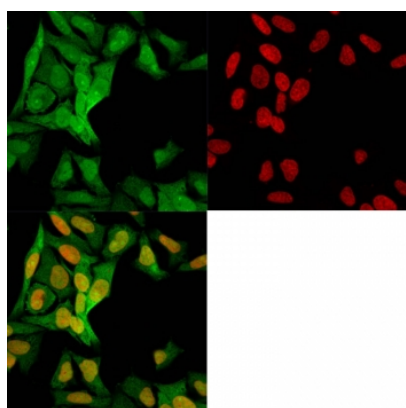
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SDS-PAGE analysis of purified, BSA-free S100A4 antibody (clone S100A4/1482) as confirmation of integrity and purity.



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

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