

## Product Datasheet

### Recombinant S100A4 Antibody / FSP1 (orb606840)

<b>Catalog Number</b>	orb606840
<b>Category</b>	Antibodies
<b>Description</b>	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, 64 integrin, and liprin b1. S100A4 is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression.
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse
<b>Buffer/Preservatives</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
<b>Purification</b>	Protein A affinity chromatography
<b>Immunogen</b>	A portion of amino acids 1-200 from the human protein was used as the immunogen for this recombinant S100A4 antibody.
<b>UniProt ID</b>	<b>P26447</b>
<b>Tested applications</b>	FACS, IF, IHC-P, WB
<b>Dilution range</b>	Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/10 <sup>6</sup> cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT

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**Application notes**

The optimal dilution of the recombinant S100A4 antibody for each application should be determined by the researcher. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

**Antibody Type**

Primary Antibody

**Clone Number**

S100A4/2750R

**Storage**

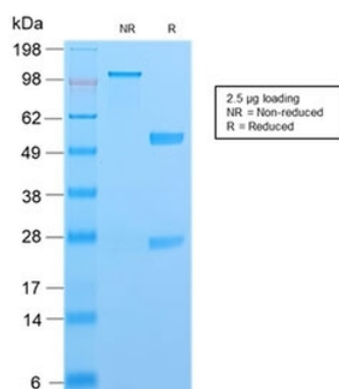
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

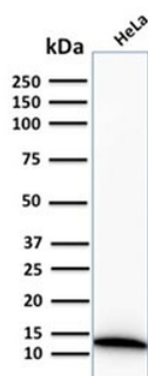
For research use only

**Expiration Date**

12 months from date of receipt.



SDS-PAGE analysis of purified, BSA-free recombinant S100A4 antibody as confirmation of integrity and purity.



Western blot testing of human HeLa cell lysate with recombinant S100A4 antibody. Predicted molecular weight ~12 kDa.

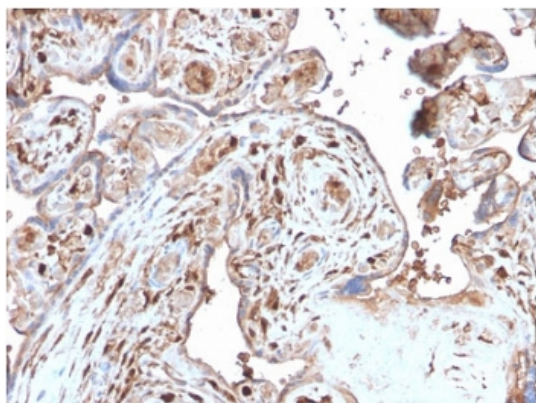
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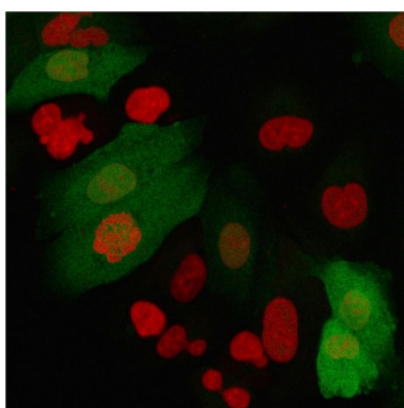
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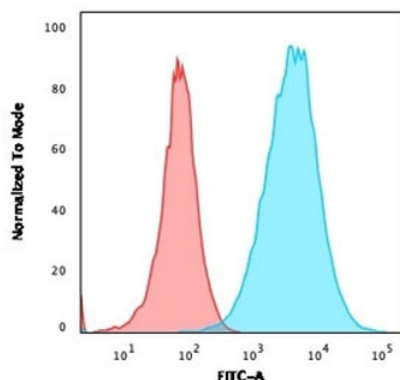
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IHC testing of FFPE human placenta with recombinant S100A4 antibody. Required HIER: steam sections in pH9 10 mM Tris with 1 mM EDTA for 10-20 min and allow to cool before testing.



Immunofluorescent staining of permeabilized human A549 cells with recombinant S100A4 antibody (green, clone S100A4/2750R) and Reddot (red, nuclear stain).



FACS testing of permeabilized human A549 cells with recombinant S100A4 antibody (blue, clone S100A4/2750R) and isotype control (red).

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