

Product Datasheet

Recombinant S100A4 Antibody / FSP1 (orb2642297)

Catalog Number	orb2642297
Category	Antibodies
Description	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.
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human, Mouse
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein A affinity chromatography
Immunogen	A portion of amino acids 1-200 from the human protein was used as the immunogen for this recombinant S100A4 antibody.
UniProt ID	P26447
Tested applications	FACS, IF, IHC-P, WB

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

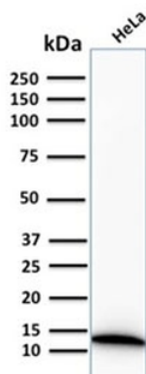
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Dilution range	Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/10 ⁶ cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
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.



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

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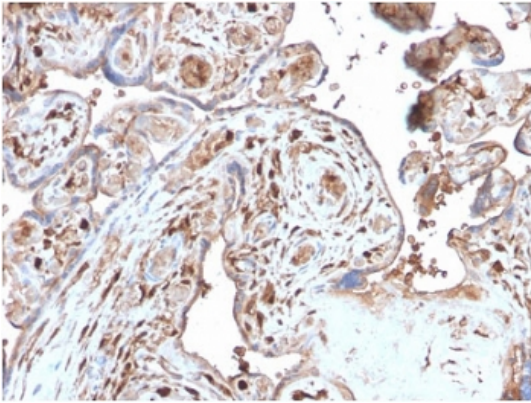
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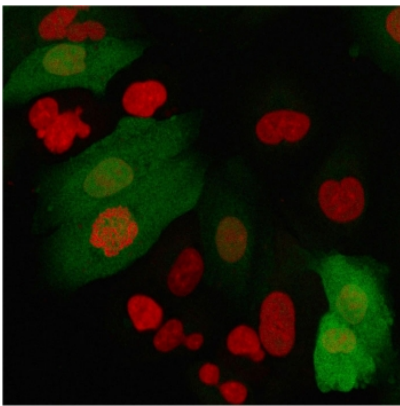
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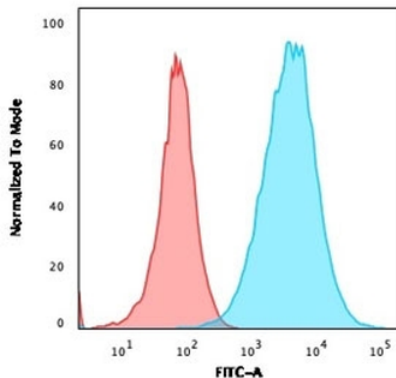
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IHC testing of FFPE human placenta with recombinant S100A4 antibody. Required HIER: steam sections in pH9 10 mM Tris with 1 mM EDTA for 10-20 min and allow to cool before testing.



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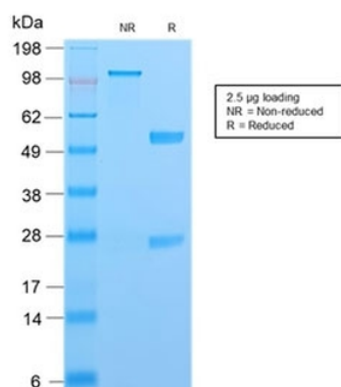
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SDS-PAGE analysis of purified, BSA-free recombinant S100A4 antibody as confirmation of integrity and purity.

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