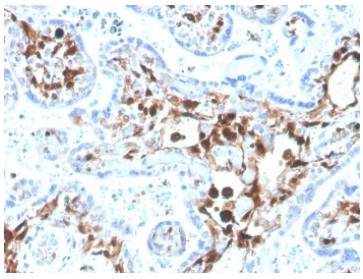
FSP1 Antibody / S100A4 [clone S100A4/1481] (V3434BTN)

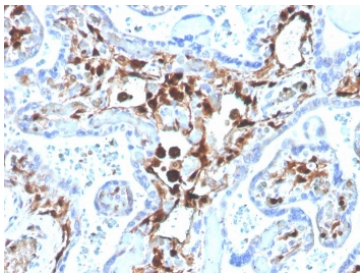
Catalog No.	Formulation	Size
V3434BTN	0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	500 ul

Bulk quote request

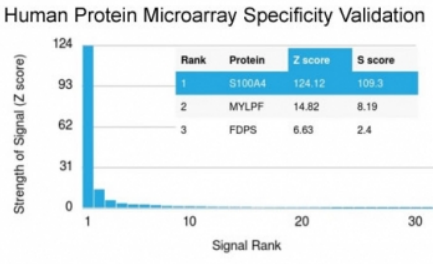
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Biotin Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	S100A4/1481
Purity	Protein G affinity chromatography
UniProt	P26447
Localization	Cytoplasmic and nuclear
Applications	Flow Cytometry : 5ul/million cells Western Blot : 2-4ug/ml Immunofluorescence : 2-4ug/ml at RT Immunohistochemistry (FFPE) : 2-4ug/ml at RT
Limitations	This FSP1 antibody is available for research use only.



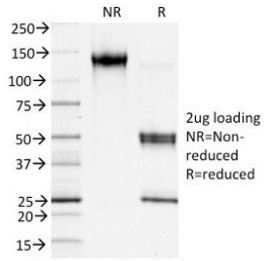
IHC testing of FFPE human placenta with biotinylated FSP1 antibody (clone S100A4/1481). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC testing of FFPE human placenta with biotinylated FSP1 antibody (clone S100A4/1481). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using S100A4/FSP1 antibody (clone S100A4/1481). These results demonstrate the foremost specificity of the S100A4/1481 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free FSP1 antibody as confirmation of integrity and purity.

Description

S100A4/FSP1 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/FSP1 exerts its function via direct interaction with a number of proteins including P53, P63, non-muscle myosin IIA, 4 integrin, and liprin b1. It is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression.

Application Notes

Optimal dilution of the FSP1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-200 from the human protein was used as the immunogen for the FSP1 antibody.

Storage

Store the FSP1 antibody at 2-8oC (up to one month) or aliquot and store at -20oC (longer term).

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