

## Product Datasheet

### S100A4 Antibody (orb1409981)

<b>Catalog Number</b>	orb1409981
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody to S100A4
<b>Target</b>	S100A4
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG2b
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse
<b>Form/Appearance</b>	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.
<b>Purification</b>	Protein A
<b>Immunogen</b>	Recombinant fragment (around aa 1-200) of human S100A4 protein (exact sequence is proprietary)
<b>UniProt ID</b>	<b>P26447</b>
<b>MW</b>	12kDa
<b>Tested applications</b>	ELISA, IHC, WB
<b>Specificity</b>	Ubiquitously expressed.

**Biorbyt Ltd.**

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

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

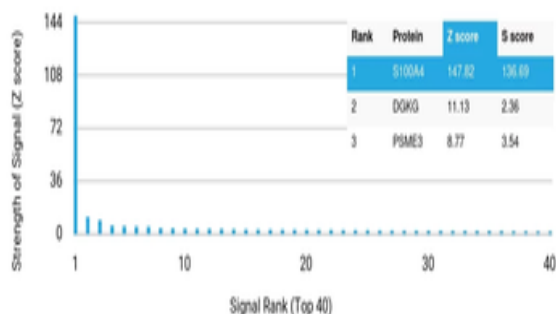
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68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

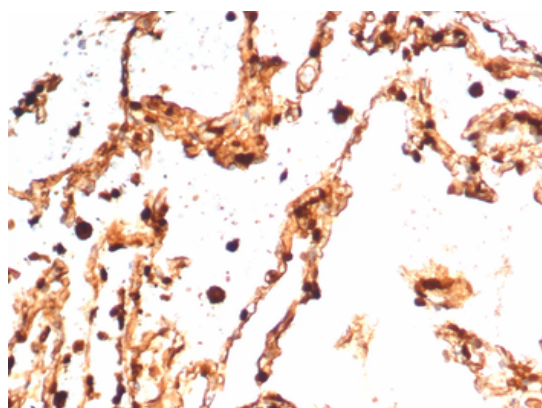
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

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<b>Clone Number</b>	S100A4/7096
<b>Expression System</b>	Bioreactor
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Analysis of Protein Array containing more than 19000 full-length human proteins using S100A4 Mouse Monoclonal Antibody (S100A4/7096). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human lung stained with S100A4 Mouse Monoclonal Antibody (S100A4/7096).

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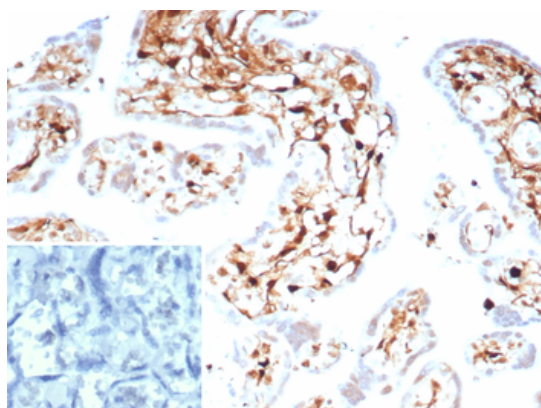
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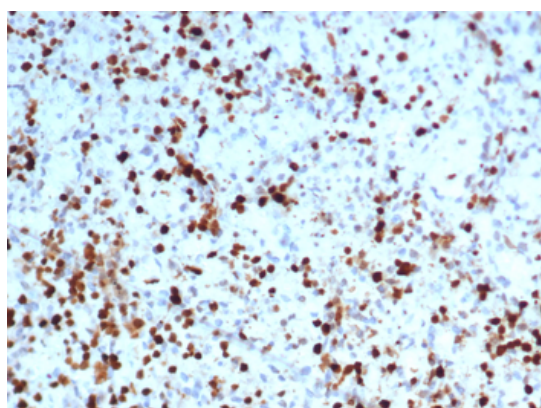
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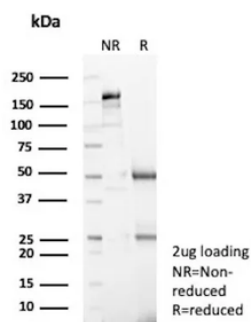
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Formalin-fixed, paraffin-embedded human placenta stained with S100A4 Mouse Monoclonal Antibody (S100A4/7096). Inset: PBS instead of primary antibody, secondary only negative control.



Formalin-fixed, paraffin-embedded human spleen stained with S100A4 Mouse Monoclonal Antibody (S100A4/7096). HIER: Tris/EDTA, pH9.0, 45 min. 2°: HRP-polymer, 30 min. DAB, 5 min.



SDS-PAGE Analysis Purified S100A4 Mouse Monoclonal Antibody (S100A4/7096). Confirmation of Purity and Integrity of Antibody.

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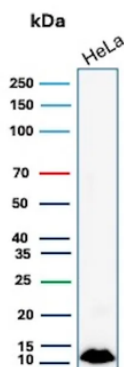
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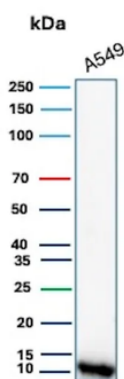
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Western Blot Analysis of HeLa lysate using S100A4 Mouse Monoclonal Antibody (S100A4/7096).



Western Blot Analysis of human A549 lysate using S100A4 Mouse Monoclonal Antibody (S100A4/7096).

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