

# Product Datasheet

## S100A1 Antibody (SPM354) - IHC-Prediluted NBP2-44591

Unit Size: 7 ml

Store at 4C.

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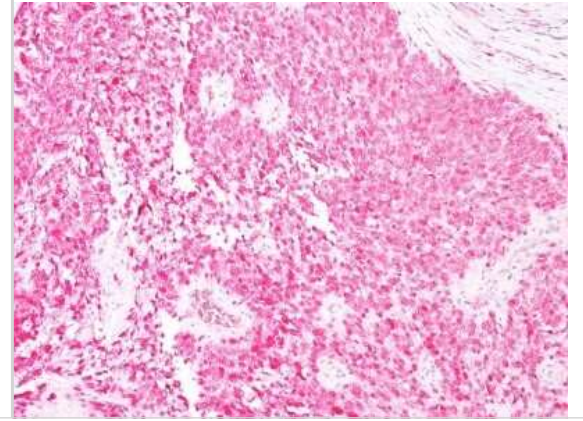
**NBP2-44591**

S100A1 Antibody (SPM354) - IHC-Prediluted

Product Information	
<b>Unit Size</b>	7 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SPM354
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10mM PBS and 0.05% BSA
<b>Target Molecular Weight</b>	11 kDa
Product Description	
<b>Host</b>	Mouse
<b>Gene ID</b>	6271
<b>Gene Symbol</b>	S100A1
<b>Species</b>	Human, Mouse, Rat
<b>Marker</b>	Astrocyte Marker
<b>Specificity/Sensitivity</b>	S100 belongs to the family of calcium binding proteins. S100A and S100B proteins are two members of the S100 family. S100A is composed of an alpha and beta chain whereas S100B is composed of two beta chains. S-100 protein has been found in normal melanocytes, Langerhans cells, histiocytes, chondrocytes, lipocytes, skeletal and cardiac muscle, Schwann cells, epithelial and myoepithelial cells of the breast, salivary and sweat glands, as well as in glial cells. Neoplasms derived from these cells also express S-100 protein, albeit non-uniformly. A large number of well-differentiated tumors of the salivary gland, adipose and cartilaginous tissue, and Schwann cell-derived tumors express S-100 protein. Almost all malignant melanomas and cases of histiocytosis X are positive for S-100 protein. Despite the fact that S-100 protein is an ubiquitous substance, its demonstration is of great value in the identification of several neoplasms, particularly melanomas and their metastases.
<b>Immunogen</b>	Purified bovine brain S100 protein
<b>Notes</b>	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
Product Application Details	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunohistochemistry-Frozen
<b>Application Notes</b>	Hu-chromosome location: 1q21.3 Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes. The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.

## Images

Immunohistochemistry-Paraffin: S100A1 Antibody (SPM354) - IHC-Prediluted [NBP2-44591] - Formalin-fixed, paraffin-embedded human melanoma stained with S100 MAb (SPM354).





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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