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Datasheet for ABIN6940538 anti-S100A1 antibody

2 Images



Overview

Quantity:	100 µg
Target:	S100A1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This S100A1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Purified human S-100 protein conjugated to methylated BSA
Clone:	S1-61
lsotype:	IgG1 kappa
Specificity:	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 a beta chain whereas S100B
	is composed of two beta chains. This antibody is specific against an epitope located on the
	alpha-chain (i.e. in S-100A and S-100B) but not on the beta-chain of S-100 (i.e. in S-100B). This
	antibody can be used to localize S-100A in various tissue sections. S-100 protein has been
	found in normal melanocytes, Langerhans cells, histiocytes, chondrocytes, lipocytes, skeletal
	and cardiac muscle, epithelial and myoepithelial cells of the breast, salivary and sweat glands.
	Neoplasms derived from these cells also express S-100 protein. Almost all malignant
	melanomas and cases of histiocytosis X are positive for S-100 protein.

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Product Details

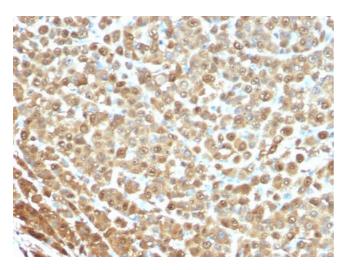
Purification:

Purified by Protein A/G

Target Details

5	
Target:	S100A1
Alternative Name:	S100A1 (S100A1 Products)
Molecular Weight:	10-12kDa
Gene ID:	6271
UniProt:	P23297
Pathways:	Regulation of Muscle Cell Differentiation, Toll-Like Receptors Cascades, S100 Proteins
Application Details	
Application Notes:	Positive Control: T98G or A431 or HT-29 cells. Brain or Melanoma.
	Known Application: Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed)
	(1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue
	sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for
	20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody
	is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

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$\begin{array}{c} 100 \\ 80 \\ 60 \\ 40 \\ 20 \\ 0 \\ 10^{1} \\ 10^{2} \\ 10^{3} \\ 10^{4} \\ 10^{5} \\ \text{FITC-A} \end{array}$

Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Melanoma stained with S100A1 Mouse Monoclonal Antibody (S1/61)

Flow Cytometry

Image 2. Flow Cytometric Analysis of T98G cells using S100A1 Mouse Monoclonal Antibody (S1/61) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

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