S100B Recombinant monoclonal antibody (S100B/1706R)

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 α and a β chain whereas S100B is composed of two β 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.

This antibody is covered by our Worry-Free Guarantee.

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ENZ-ABS307-0100	100µg

Manuals, SDS & CofA View Online »

Handling & Storage

Long Term Storage +4°C

Shipping Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name	S100 β
Application	Flow Cytometry, IF, IHC (PS), WB
Application Notes	This antibody can be used to localize S-100A and S-100B in various tissue sections.
Clone	S100B/1706R
Formulation	Liquid. In 1X PBS containing 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide.
Host	Rabbit
Immunogen	Recombinant full length human S100B.
Isotype	IgGκ
Purity Detail	Protein A affinity purified.
Recommendation Dilutions/Conditions	Flow Cytometry (0.5-1 µg/106 cells in 0.1 mL)Immunofluorescence (1-2 µg/mL)Western blot (0.5-1 µg/mL)Immunohistochemistry (formalin-fixed paraffin sections) (0.25-0.5 µg/mL for 30 min at RT)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific against an epitope located on the β-chain (i.e. in S-100A and S-100B) but not on the alpha-chain of S-100 (i.e. in S-100A and S100A0).

UniProt ID P04271

Worry-free Guarantee **This antibody is covered by our Worry-Free Guarantee .**

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