Product Datasheet

S100B Antibody (4C4.9) [Allophycocyanin]
NBP2-33168APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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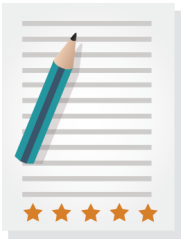

NBP2-33168APC

S100B Antibody (4C4.9) [Allophycocyanin]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	4C4.9
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	Allophycocyanin
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	11 kDa

Product Description	
Description	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
Host	Mouse
Gene ID	6285
Gene Symbol	S100B
Species	Human, Mouse, Rat, Bovine
Marker	Astrocyte and Melanoma Marker
Specificity/Sensitivity	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 beta-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). This antibody can be used to localize S-100A and S-100B in various tissue sections. 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.
Immunogen	Purified bovine brain S100B protein (Uniprot: P04271)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Optimal dilution of this antibody should be experimentally determined.

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Products Related to NBP2-33168APC

NBP1-96981APC	Mouse IgG2a Kappa Isotype Control (M2AK) [Allophycocyanin]
NBP3-07106-5ug	Recombinant Human S100B Protein
DRG00	AGER [HRP]
DY1820-05	S100B [Biotin]

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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