

Monoclonal Mouse Antibody to S-100

Catalog No.:	Mob 377, Mob 377-05
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Immunogen:	BALB/C mice were immunized with purified bovine brain S-100 protein.
Clone:	4C4.9
Isotype:	IgG2a
Format:	This antibody is supplied as purified ascites containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Suitable for formalin fixed, paraffin embedded tissue sections. No treatment is required.</u>
Specificity:	This antibody reacts with the S-100 protein. S-100 belongs to the family of calcium binding proteins such as calmodulin and troponin C. S-100A and S-100B proteins are two members of the S-100 family. S-100A is composed of an alpha and beta chain whereas S-100B is composed of two beta chains. This antibody stains Schwannomas, ependymomas, astroglomas; almost all benign and malignant melanomas, and their metastases. This antibody crossreacts with human, cow, mouse, and rat.
Positive Control:	Melanoma
Cellular Localization:	Cytoplasmic
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	(i) Barrett et al. J Oral Pathol Medicine 23: 433, 1994. (ii) Joshi et al. Mod Pathol 9: 57, 1996. (iii) Matsushima et al. J Surg Oncol 55: 108, 1994. (iv) McLaren et al. Human Pathol 27: 633, 1996.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

DBS

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