

## Monoclonal Mouse Antibody to Bovine S-100 Proteins

<b>Catalog No.:</b>	Mob 111, Mob 111-05
<b>Intended Use:</b>	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.
<b>Immunogen:</b>	Purified bovine brain S-100b preparation.
<b>Clone:</b>	SH-B1
<b>Isotype:</b>	IgG1
<b>Format:</b>	This antibody is supplied as diluted ascites containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	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.
<b>Staining Protocol:</b>	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>Proteolytic digestion of tissue sections is required prior to immunostaining.</u>
<b>Specificity:</b>	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 S-100ao). It cross reacts with human, porcine, rabbit, cat, and rat tissues. It can be used to localize S-100a and S-100b in various tissues.
<b>Positive Control:</b>	Melanoma
<b>Cellular Localization:</b>	Cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	i) Baudier et al. J Biol Chem 261: 8192, 1986. ii) Mani et al. Biochemistry 21: 2607, 1982. iii) Takahashi et al. Virchows Arch (Cell Pathol) 45: 385, 1984. iv) Kan-Mitchell et al. Invest Ophthal 31: 1492, 1990.

### 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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