

**Rabbit Anti-S100B [EP32]: RM0172**

**Intended Use:** For Research Use Only

**Description:** S100 Beta is a homodimeric member of the S100 superfamily. S100 is a family of Ca<sup>2+</sup>-binding proteins, comprised of 19 members that are differentially expressed in a large number of cell types. The protein has been implicated in cellular processes such as cell differentiation and growth. S100 Beta is abundant in glial cells of the central and peripheral nervous system, in melanocytes, chondrocytes, and adipocytes. It also labels Langerhans cells, histiocytes, epithelial cells, myoepithelial cells and integrating reticular cells of lymphoid tissue, and tumors originated from these cells. S100 Beta is a useful marker for diagnosis of melanoma and tumors of nervous system.

**Specifications**

Clone: EP32  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human  
Localization: Cytoplasm  
Formulation: Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC  
Package:

Description	Catalog No.	Size
S100B Concentrated	RM0172	1 ml

**IHC Procedure**

Positive Control Tissue: Melanoma, skin  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual  
\* Result should be confirmed by an established diagnostic procedure.

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