

Mouse Monoclonal Antibody to S100B

Catalogue Number	sAP-0127
Target Molecule	<p>Name: S100B</p> <p>Aliases: NEF; S100; S100beta</p> <p>MW: N/A</p> <p>Entrez Gene ID: 6285</p>
Description	S100B (S100 calcium binding protein B) is a member of the S100 family of proteins containing 2 EF-hand calcium binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S-100 proteins and parvalbumin proteins are each expressed in neural tissues. In addition, S100B are present in a variety of other tissues, and calbindin is present in intestine and kidney. Parvalbumin B is found in many tumor tissues as well as in the organ of Corti. Calbindin, S-100 proteins and parvalbumins have all been detected in leydig cells and the testis. These proteins are thought to play a role in hormone production and spermatogenesis. Chromosomal rearrangements and altered expression of this
Immunogen	Purified recombinant fragment of S100B expressed in E. Coli.
Reactive Species	Human
Clone	MM9A11B9;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Shapiro LA. Marks A. Whitaker-Azmitia PM. Brain Res. 2004, Jun 4,1010(1-2):17-21. ; 2. Sorci G. Riuzzi F. Arcuri C. et al. Mol Cell Biol. 2004, Jun,24(11):4880-94. ; 3. Zimmer DB. Chaplin J. Baldwin A. et al. Cell Mol Biol (Noisy-le-grand).2005,Sep 5,5

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**