

Cat. No:	MAB-94448
Conjugate:	Unconjugated
Size:	100 ug
Clone:	9A11B9
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG1
Immunogen:	Purified recombinant fragment of S-100 beta expressed in E. Coli.
Reactivity:	Hu
Applications:	Western Blot: 1:500-1:2000 Immunohistochemistry: 1:200-1:1000 ELISA: 1:10000
Purification:	Aff. Pur.
Synonyms:	Protein S100-B S-100 protein beta chain S-100 protein subunit beta S100 calcium-binding protein B
Background:	Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites. Binds to and initiates the activation of STK38 by releasing autoinhibitory intramolecular interactions within the kinase. Interaction with AGER after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling. Could assist ATAD3A cytoplasmic processing, preventing aggregation and favoring mitochondrial localization. May mediate calcium-dependent regulation on many physiological processes by interacting with other proteins, such as TPR-containing proteins, and modulating their activity.
Form:	Liquid
Buffer:	Ascitic fluid containing 0.03% sodium azide
Storage:	Store at -20°C, and avoid repeat freeze-thaw cycles.

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