



S100B Monoclonal Antibody

Product Code	CSB-MA106771A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P04271
Immunogen	Recombinant Human S100B protein
Raised In	mouse
Species Reactivity	Human
Specificity	specific for S100B denatured forms
Tested Applications	ELISA
Relevance	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
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%,protein G purified
Isotype	IgG1
Clonality	monoclonal
Alias	S100B ,S-100 protein beta chain,S-100 protein subunit beta,S100 calcium-binding protein B
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)
Gene Names	S100B
Clone No.	1A1B1