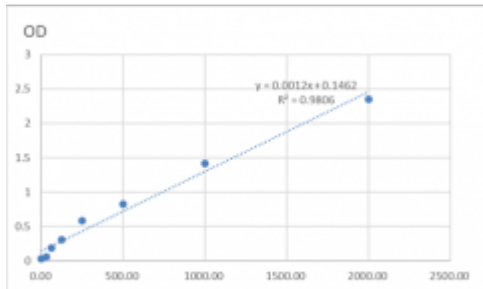


Human S100 Calcium Binding Protein B ELISA kit



Description

The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of S100B in Human serum, plasma and other biological fluids.

Model	STJ150139
Reactivity	Human
Applications	ELISA
Gene ID	6285
Gene Symbol	S100B
Dilution range	31.25--2000pg/mL
Tissue Specificity	Serum, Plasma, Biological Fluids
Note	For Research Use Only (RUO) .
Protein Name	S100B
Molecular Weight	10.7 kDa
Storage Instruction	Store at 4°C for 6 months.
Database Links	HGNC:10500 MIM:176990 Reactome:R-HSA-1251985
Alternative Names	Protein S100-B, S-100 Protein Beta Chain, S-100 Protein Subunit Beta, S100 Calcium-Binding Protein B
Function	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.

Cellular Localization

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