

Datasheet for ABIN6239807

S100A6 Protein (AA 1-90) (His tag)



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Overview

Quantity:	50 µg
Target:	S100A6
Protein Characteristics:	AA 1-90
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This S100A6 protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 90 %
Biological Activity Comment:	S100A6 is a calcium-binding protein, which functions as calcium sensor and modulator, contributing to cellular calcium signaling. It is reported that S100B and S100A6 differentially modulate cell survival by Interacting with distinct RAGE (Receptor for Advanced Glycation End Products). Thus a binding ELISA assay was conducted to detect the interaction of S100A6 and RAGE. Briefly, recombinant human S100A6 were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to RAGE-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-S100A6 mAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and

Product Details

read at 450nm immediately. The binding activity of of S100A6 and RAGE was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of S100A6 with RAGE.

Target Details

Target:	S100A6
Abstract:	S100A6 Products
Background:	Alternative Names: S100-A6, 2A9, 5B10, CABP, CACY, PRA, MLN 4, Calcyclin, Growth factor-inducible protein 2A9, Prolactin receptor-associated protein
Molecular Weight:	16kDa
UniProt:	P06703
Pathways:	S100 Proteins

Application Details

Application Notes:	Isoelectric Point: 5.7
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.