

## ARG82251 Human S100A6 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG82251 Human S100A6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human S100A6 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not react with following recombinant human proteins: ApoA1, BMP1, BMP2, BMP3, BMP4, BMP7, CRP, HGF, HSP27, IL1 alpha, IL1 RI, IL1 beta, IL1RA, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL13, IL15, IL17C, IL21, IL23, IFN gamma, MMP2, sIL2R, sIL6R, PDGF, PLA2G7, prolactin, S100A1, S100B, S100A9, S100A12, TGF beta 1, TGF beta 2, TGF beta 3, TLR1, TLR2, TLR3, TNF alpha, TNF RI, TNF RII and VEGF.
Target Name	S100A6
Conjugation	HRP
Conjugation Note	Read at 450 nm.
Sensitivity	31 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	62 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 6% Inter-Assay CV: 9%
Alternate Names	S100 calcium-binding protein A6; PRA; MLN 4; 5B10; Prolactin receptor-associated protein; CACY; Growth factor-inducible protein 2A9; Protein S100-A6; Calcyclin; CABP; 2A9

### Application Instructions

Assay Time	~ 3 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

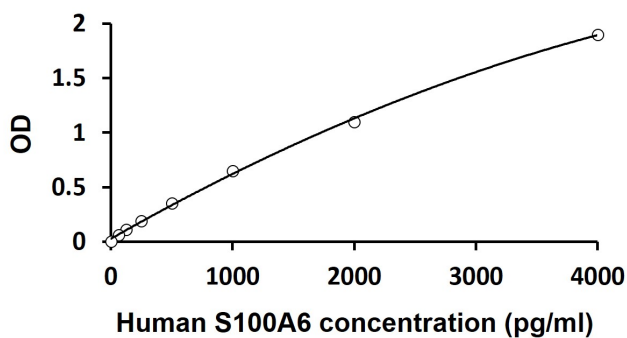
Gene Symbol	S100A6
Gene Full Name	S100 calcium binding protein A6
Background	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand

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. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca<sup>2+</sup>-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma. [provided by RefSeq, Jul 2008]

Function	May function as calcium sensor and modulator, contributing to cellular calcium signaling. May function by interacting with other proteins, such as TPR-containing proteins, and indirectly play a role in many physiological processes such as the reorganization of the actin cytoskeleton and in cell motility. Binds 2 calcium ions. Calcium binding is cooperative. [UniProt]
Highlight	Related products: <a href="#">S100A antibodies</a> ; <a href="#">S100A ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	The N-terminus is blocked. [UniProt]
Cellular Localization	Nucleus envelope. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. [UniProt]

## Images

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ARG82251 Human S100A6 ELISA Kit standard curve image

ARG82251 Human S100A6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.