

ARG81963 Mouse S100A13 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81963-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81963-002	Standard	2 X 10 ng/vial	4°C
ARG81963-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81963-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81963-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81963-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81963-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81963-008	25X Wash buffer	20 ml	4°C
ARG81963-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81963-010	STOP solution	10 ml (Ready to use)	4°C
ARG81963-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81963 Mouse S100A13 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse S100A13 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	S100A13
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6%; Inter-Assay CV: 6.5%
Alternate Names	Protein S100-A13; S100 calcium-binding protein A13

Application Instructions

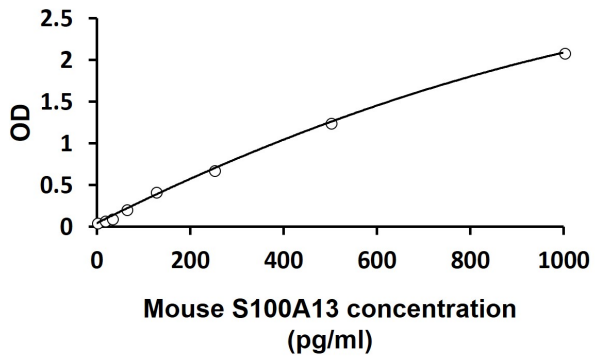
Assay Time	~ 5 hours
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Properties

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	S100A13
Gene Full Name	S100 calcium binding protein A13
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 is widely expressed in various types of tissues with a high expression level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Plays a role in the export of proteins that lack a signal peptide and are secreted by an alternative pathway. Binds two calcium ions per subunit. Binds one copper ion. Binding of one copper ion does not interfere with calcium binding. Required for the copper-dependent stress-induced export of IL1A and FGF1. The calcium-free protein binds to lipid vesicles containing phosphatidylserine, but not to vesicles containing phosphatidylcholine (By similarity). [UniProt]
Highlight	Related products: S100A antibodies ; S100A ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81963 Mouse S100A13 ELISA Kit standard curve image

ARG81963 Mouse S100A13 ELISA Kit results of a typical standard run with optical density reading at 450 nm.