

ARG82463 Mouse SLPI ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82463-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82463-002	Standard	2 X 10 ng/vial	4°C
ARG82463-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82463-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82463-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82463-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82463-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82463-008	25X Wash buffer	20 ml	4°C
ARG82463-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82463-010	STOP solution	10 ml (Ready to use)	4°C
ARG82463-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82463 Mouse SLPI ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse SLPI in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	SLPI
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.1% Inter-Assay CV: 6.1%

Alternate Names	HUSI-1; Antileukoproteinase; WAP4; Protease inhibitor WAP4; ALK1; WAP four-disulfide core domain protein 4; BLPI; MPI; HUSI; Secretory leukocyte protease inhibitor; Seminal proteinase inhibitor; Mucus proteinase inhibitor; HUSI-I; WFDC4; ALP
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Application Instructions

Assay Time	~ 5 hours
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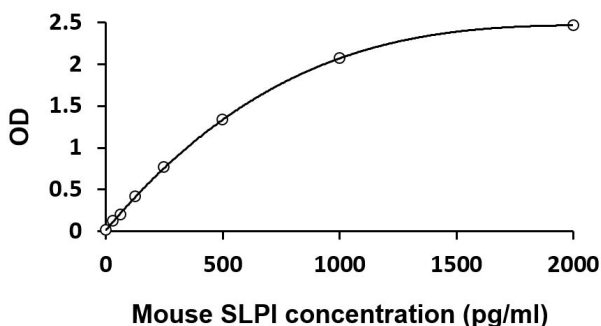
Properties

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	SLPI
Gene Full Name	secretory leukocyte peptidase inhibitor
Background	This gene encodes a secreted inhibitor which protects epithelial tissues from serine proteases. It is found in various secretions including seminal plasma, cervical mucus, and bronchial secretions, and has affinity for trypsin, leukocyte elastase, and cathepsin G. Its inhibitory effect contributes to the immune response by protecting epithelial surfaces from attack by endogenous proteolytic enzymes. This antimicrobial protein has antibacterial, antifungal and antiviral activity. [provided by RefSeq, Nov 2014]
Function	Acid-stable proteinase inhibitor with strong affinities for trypsin, chymotrypsin, elastase, and cathepsin G. May prevent elastase-mediated damage to oral and possibly other mucosal tissues. [UniProt]
Highlight	Related products: SLPI antibodies ; SLPI ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]

Images



ARG82463 Mouse SLPI ELISA Kit standard curve image

ARG82463 Mouse SLPI ELISA Kit results of a typical standard run with optical density reading at 450 nm.