

ARG82422 Mouse SMOC1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---------------------------------------------------------------------|
| ARG82422-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG82422-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG82422-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG82422-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82422-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82422-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82422-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82422-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG82422-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG82422-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG82422-011 | Plate sealer | 4 strips | Room temperature |

Summary

| | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | ARG82422 Mouse SMOC1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse SMOC1 in serum, plasma (heparin) and cell culture supernatants. |
| Tested Reactivity | Ms |
| Tested Application | ELISA |
| Target Name | SMOC1 |
| 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: 5.4% Inter-Assay CV: 5.9% |

Alternate Names SPARC-related modular calcium-binding protein 1; OAS; Secreted modular calcium-binding protein 1; SMOC-1

Application Instructions

Assay Time ~ 5 hours

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 SMOC1

Gene Full Name SPARC related modular calcium binding 1

Background This gene encodes a multi-domain secreted protein that may have a critical role in ocular and limb development. Mutations in this gene are associated with microphthalmia and limb anomalies. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]

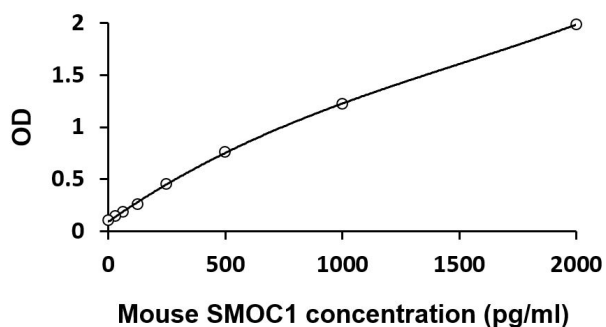
Function Plays essential roles in both eye and limb development. Probable regulator of osteoblast differentiation. [UniProt]

Highlight Related products:
[SMOC1 ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

PTM Glycosylated. [UniProt]

Cellular Localization Secreted, extracellular space, extracellular matrix, basement membrane. Note=In or around the basement membrane. [UniProt]

Images



ARG82422 Mouse SMOC1 ELISA Kit standard curve image

ARG82422 Mouse SMOC1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.