

## ARG82423 Rat SMOC1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82423-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82423-002	Standard	2 X 10 ng/vial	4°C
ARG82423-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82423-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82423-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82423-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82423-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82423-008	25X Wash buffer	20 ml	4°C
ARG82423-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82423-010	STOP solution	10 ml (Ready to use)	4°C
ARG82423-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82423 Rat SMOC1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat SMOC1 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Rat
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: 5.0% Inter-Assay CV: 5.8%

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]

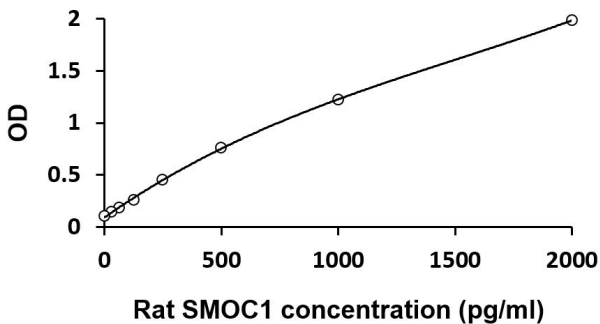
Function Plays essential roles in both eye and limb development. Probable regulator of osteoblast differentiation. [UniProt]

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



ARG82423 Rat SMOC1 ELISA Kit standard curve image

ARG82423 Rat SMOC1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.