

ARG81625 Human SMOC2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81625-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81625-002	Standard	2 X 10 ng/vial	4°C
ARG81625-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81625-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81625-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81625-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81625-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81625-008	25X Wash buffer	20 ml	4°C
ARG81625-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81625-010	STOP solution	10 ml (Ready to use)	4°C
ARG81625-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81625 Human SMOC2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human SMOC2 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	SMOC2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.7% Inter-Assay CV: 7.6%
Alternate Names	SPARC-related modular calcium-binding protein 2; SMAP2; DTDP1; dJ421D16.1; MSTP117; MST117; Secreted modular calcium-binding protein 2; bA37D8.1; SMOC-2; MSTP140; Smooth muscle-associated protein 2; SMAP-2; bA270C4A.1

Application Instructions

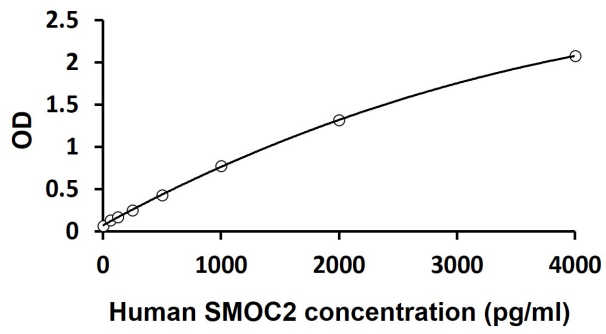
Assay Time	~ 5 hours
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Properties

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	SMOC2
Gene Full Name	SPARC related modular calcium binding 2
Background	This gene encodes a member of the SPARC family (secreted protein acidic and rich in cysteine/osteonectin/BM-40), which are highly expressed during embryogenesis and wound healing. The gene product is a matricellular protein which promotes matrix assembly and can stimulate endothelial cell proliferation and migration, as well as angiogenic activity. Associated with pulmonary function, this secretory gene product contains a Kazal domain, two thymoglobulin type-1 domains, and two EF-hand calcium-binding domains. The encoded protein may serve as a target for controlling angiogenesis in tumor growth and myocardial ischemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
Function	Promotes matrix assembly and cell adhesiveness (By similarity). Can stimulate endothelial cell proliferation, migration, as well as angiogenesis. [UniProt]
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81625 Human SMOC2 ELISA Kit standard curve image

ARG81625 Human SMOC2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.