

Product datasheet

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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 $100 \ \mu l$

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

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

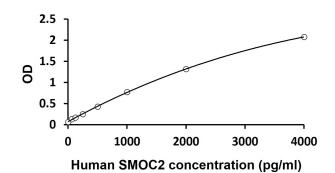
This gene encodes a member of the SPARC family (secreted protein acidic and rich in cysteine/osteonectin/BM-40), which are highly expressed during embryogenesis and wound healing. The gene product is a matricellular protein which promotes matrix assembly and can stimulate endothelial cell proliferation 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]

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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.