

ARG81526 Human SPARC ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81526-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81526-002	Standard	2 X 50 ng/vial	4°C
ARG81526-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81526-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81526-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81526-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81526-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81526-008	25X Wash buffer	20 ml	4°C
ARG81526-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81526-010	STOP solution	10 ml (Ready to use)	4°C
ARG81526-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81526 Human SPARC ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human SPARC in serum, human milk and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	SPARC
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, human milk and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.5% Inter-Assay CV: 7.5%
Alternate Names	ON; BM-40; Basement-membrane protein 40; SPARC; Osteonectin; Secreted protein acidic and rich in cysteine

Application Instructions

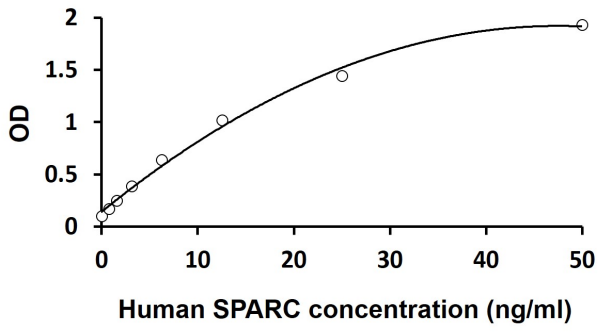
Assay Time ~ 5 hours

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	SPARC
Gene Full Name	secreted protein, acidic, cysteine-rich (osteonectin)
Background	This gene encodes a cysteine-rich acidic matrix-associated protein. The encoded protein is required for the collagen in bone to become calcified but is also involved in extracellular matrix synthesis and promotion of changes to cell shape. The gene product has been associated with tumor suppression but has also been correlated with metastasis based on changes to cell shape which can promote tumor cell invasion. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2015]
Function	Appears to regulate cell growth through interactions with the extracellular matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and an EF-hand loop that binds a Ca(2+) ion with a high affinity. [UniProt]
Highlight	Related products: SPARC antibodies ; SPARC ELISA Kits ; Related news: Detecting MMPs and their non-ECM substrates New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81526 Human SPARC ELISA Kit standard curve image

ARG81526 Human SPARC ELISA Kit results of a typical standard run with optical density reading at 450 nm.