ARG81429
Human PROK1 / EG-VEGF ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81429-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81429-002	Standard	2 X 10 ng/vial	4°C
ARG81429-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81429-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81429-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81429-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81429-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81429-008	25X Wash buffer	20 ml	4°C
ARG81429-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81429-010	STOP solution	10 ml (Ready to use)	4°C
ARG81429-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81429 Human PROK1 / EG-VEGF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human PROK1 / EG-VEGF 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	PROK1 / EG-VEGF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2% Inter-Assay CV: 7.2%
Alternate Names	PK1; Endocrine-gland-derived vascular endothelial growth factor; Prokineticin-1; PRK1; EG-VEGF; Mambakine; EGVEGF

Application Instructions

Assay Time	~ 5 hours

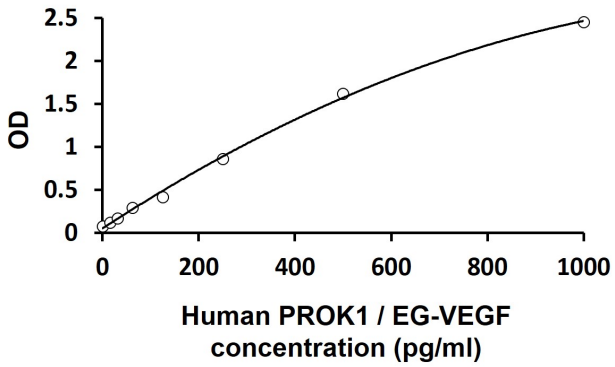
Properties

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	PROK1
Gene Full Name	prokineticin 1
Background	The protein encoded by this gene induces proliferation, migration, and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. It has little or no effect on a variety of other endothelial and non-endothelial cell types. Its expression is restricted to the steroidogenic glands (ovary, testis, adrenal, and placenta), is induced by hypoxia, and often complementary to the expression of vascular endothelial growth factor (VEGF), suggesting that these molecules function in a coordinated manner. [provided by RefSeq, Sep 2011]
Function	Potently contracts gastrointestinal (GI) smooth muscle. Induces proliferation, migration and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. Has little or no effect on a variety of other endothelial and non-endothelial cell types. Induces proliferation and differentiation, but not migration, of enteric neural crest cells. Directly influences neuroblastoma progression by promoting the proliferation and migration of neuroblastoma cells. Positively regulates PTGS2 expression and prostaglandin synthesis. May play a role in placentation. May play a role in normal and pathological testis angiogenesis. [UniProt]
Highlight	Related products: PROK1 antibodies; PROK1 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81429 Human PROK1 / EG-VEGF ELISA Kit standard curve image

ARG81429 Human PROK1 / EG-VEGF ELISA Kit results of a typical standard run with optical density reading at 450 nm.