EG-VEGF/PK1 Polyclonal Antibody(Capture/Detector)

catalog number: AN003920P

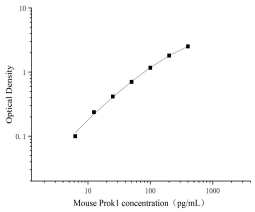
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Mouse EG-VEGF/PK1 Protein expressed by E.coli
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications	Recommended Dilution
ELISA Capture	2-8 μg/mL
ELISA Detector	0.1-0.4 μg/mL

Data



Sandwich ELISA-Recombinant Mouse EG-VEGF/PK1 Protein standard curve.Background subtracted standard curve using Anti-EG-VEGF/PK1 antibody(AN003920P) (Capture),Anti-EG-VEGF/PK1 antibody(AN003920P) (Detector).The reference range value is 6.25-400pg/mL for mouse.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Prokineticin 1 (PROK1) is also named as EG-VEGF and Mambakine, belongs to the to the AVIT (prokineticin) family. Prokineticin signaling comprises two secreted proteins (Prok-1 and Prok-2) and two cognate G-protein coupled receptors (PK-R1 and PK-R2) that are widely expressed in different tissues and of great versatility. Prokineticins were shown to promote angiogenesis in steroidgenic glands, heart and reproductive organs (PMID:18440852). PROK1 has been described as a secretory protein with pleiotropic functions and as a novel tissue-specific angiogenic factor (PMID: 32355954). EG-VEGF/PK-1, described as selective angiogenic mitogen, is widely expressed in different tissues including steroidogenic endocrine glands (PMID:16320832). A lot of data suggests EG-VEGF to be restricted to endocrine glands and to some endocrine-dependent organs (PMID:28386275).