Human Gastrokine-2 (GKN2) ELISA Kit

Catalog No: #EK12129

Package Size: #EK12129-1 48T #EK12129-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Gastrokine-2 (GKN2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	GDDR; PRO813; TFIZ1; VLTI465; blottin|down regulated in gastric cancer GDDR|down-regulated in gastric cancer GDDR|trefoil factor interactions(z) 1
Accession No.	Q86XP6
Uniprot	Q86XP6
GeneID	200504;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:6.1 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate GKN2 in samples. An antibody specific for GKN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyGKN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GKN2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GKN2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Gastrokine-2 (GKN2) is a secretory peptide of human gastric surface mucous cells (SMCs). It forms disulfide-linked heterodimers with the trefoil factor family (TFF) peptide TFF1. Binding with TFF2 was also reported. Antral SMCs differ from those of the corpus by their TFF3 expression. GKN2 expression along the antral gland axis, to characterize the continuous regeneration of antral glands, and to investigate the interactions of GKN2 with TFF1, TFF2 and mucins.Maturation of antral SMCs occurs stepwise via trans-differentiation of TFF3 expressing progenitor cells. The TFF1-GKN2 heterodimer and TFF2 differ haracteristically by their binding to gastric mucins. This points to different physiological functions of TFF1 and TFF2, the latter maybe acting as a link peptide for stabilization of the gastric mucus.

Note: This product is for in vitro research use only