

# Human Fibroblast growth factor 9 (glia-activating factor) (FGF9) ELISA Kit



Catalog No: #EK12059

Orders: order@signalwayantibody.com

Package Size: #EK12059-1 48T #EK12059-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Fibroblast growth factor 9 (glia-activating factor) (FGF9) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	GAF; HBFG-9; MGC119914; MGC119915; SYNS3; fibroblast growth factor 9
Accession No.	P31371
Uniprot	P31371
GeneID	2254;
Storage	<p>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.</p> <p>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).</p>

## Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:7.1 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 FGF9 in samples. An antibody specific for FGF9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFGF9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FGF9 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 FGF9 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Fibroblast growth factor 9(FGF9) is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion.This protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by neurons and may be important for glial cell development. Expression of the mouse homolog of this gene was found to be dependent on Sonic hedgehog (Shh) signaling. Mice lacking the homolog gene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embryogenesis.

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Note: This product is for in vitro research use only