Mouse Angiogenic factor with G patch and FHA domains 1 (AGGF1) ELISA Kit

Catalog No: #EK7784

Package Size: #EK7784-1 48T #EK7784-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Mouse Angiogenic factor with G patch and FHA domains 1 (AGGF1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ10283; GPATC7; GPATCH7; HSU84971; HUS84971; VG5Q; angiogenic factor VG5Q|vasculogenesis gene on 5q
Accession No.	Q7TN31
Uniprot	Q7TN31
GeneID	66549;
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:78.1-5000 pg/mL

Sensitivity:34 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 AGGF1 in samples. An antibody specific for AGGF1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyAGGF1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AGGF1 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 AGGF1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The AGGF1 gene encodes a potent angiogenic factor that contains a forkhead-associated domain and a G-patch domain. VG5Q was ubiquitously expressed in human tissues examined, including heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas. Intracellular localization studies showed VG5Q protein mostly in the cytoplasm and around the nuclei of HMVECs. In an in vitro model of angiogenesis where endothelial cells were plated onto matrigel, VG5Q protein began to redistribute by moving towards the cell periphery and was also detected outside the cell. Purified wildtype VG5Q protein promoted strong angiogenesis in a chick chorioallantoic membrane assay, demonstrating that VG5Q is a potent angiogenic factor. Angiogenesis was inhibited by RNA interference against VG5Q in in vitro assays.

Note: This product is for in vitro research use only