

# Mouse Growth/differentiation factor 5 (GDF5) ELISA Kit



Catalog No: #EK10420

Orders: order@signalwayantibody.com

Package Size: #EK10420-1 48T #EK10420-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse Growth/differentiation factor 5 (GDF5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	BMP14; CDMP1; LAP4; OS5; SYNS2; OTTHUMP00000030755 cartilage-derived morphogenetic protein-1
Accession No.	P43027
Uniprot	P43027
GeneID	14563;
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:0.156-10 ng/mL

Sensitivity:0.078 ng/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 GDF5 in samples. An antibody specific for GDF5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyGDF5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GDF5 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 GDF5 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Note: This product is for in vitro research use only