

Rat GDF5 ELISA Kit | GDF5 elisa kit

Rat GDF5 (Growth Differentiation Factor 5) ELISA Kit

CATALOG #
AAA164447

REACTIVITY
Rat

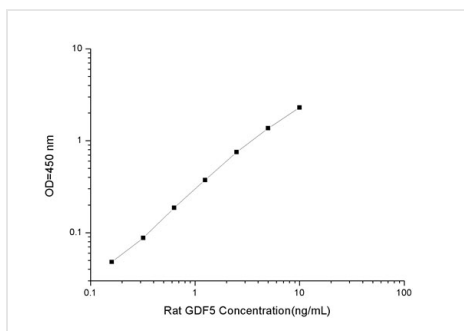
PRODUCT SYNONYMS

GDF5; Rat GDF5 (Growth Differentiation Factor 5) ELISA Kit; GDF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat GDF5. No significant cross-reactivity or interference between Rat GDF5 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat GDF5 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	290
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF5 elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GDF5 in Rat serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat GDF5. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat GDF5 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat GDF5, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat GDF5. You can calculate the concentration of Rat GDF5 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	290566347
Molecular Weight	32,896 Da
NCBI Official Full Name	GDF5, partial
UniProt Protein Name	GDF5
UniProt Gene Name	GDF5
UniProt Entry Name	D3YR72_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/gdf5/164447>