

Rat GDF-15 ELISA Kit | GDF15 elisa kit

Rat GDF-15 PicoKine ELISA Kit

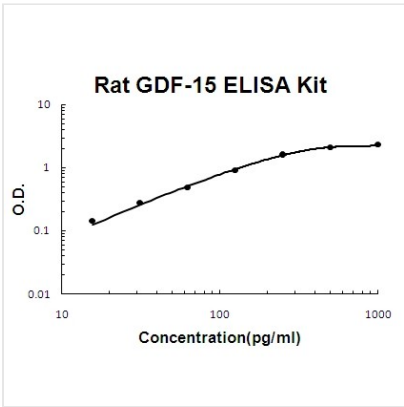
CATALOG # AAA46786	REACTIVITY Rat
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PRODUCT SYNONYMS

GDF-15; Rat GDF-15 PicoKine ELISA Kit; gdf 15; GDF15; MIC 1; MIC1; MIC-1; NAG-1; NSAID-activated gene 1 protein; NSAID-regulated gene 1 protein; PDF; PLAB; PTGFB; Growth/differentiation factor 15; GDF15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat GDF-15
Sequence Length	303
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	15-20
Immunogen	NSO, S189-A303
Sample Data	Concentration(pg/ml): 0 15.6 31.2 62.5 125 250 500 1000 O.D.: 0.027 0.141 0.272 0.477 0.899 1.591 2.073 2.299
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 43.7 139 601 52.3 154 714 Standard Deviation: 1.88 6.81 33.06 3.09 10.16 45.70 CV(%): 4.3 4.9 5.5 5.9 6.6 6.4
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.3pg/ml, 15.6pg/ml rat GDF-15 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each rat GDF-15 standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Rat GDF-15 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for GDF15 elisa kit	For quantitative detection of rat GDF-15 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). Background: GDF-15(Growth differentiation factor 15), also known as TGF-PL, MIC-1, PLAB, and PTGFB, is a protein belonging to the transforming growth factor beta superfamily that has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. Its expression in liver can be significantly up-regulated in during injury of organs such as liver, kidney, heart and lung. GDF15 showed increased expression and secretion during erythroblast maturation. GDF15 functions as an antiinflammatory cytokine by directly interfering with chemokine signaling and integrin activation. Principle: Rat GDF-15 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for GDF-15 has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: S189-A303) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for GDF-15 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substRate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat GDF-15 amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9506719
NCBI GeneID	29455
NCBI Accession #	NP_062089.1
NCBI GenBank Nucleotide #	NM_019216.2
UniProt Accession #	Q9Z0J6
Molecular Weight	33,439 Da
NCBI Official Full Name	growth/differentiation factor 15
NCBI Official Synonym Full Names	growth differentiation factor 15
NCBI Official Symbol	Gdf15
NCBI Protein Information	growth/differentiation factor 15
UniProt Protein Name	Growth/differentiation factor 15
UniProt Gene Name	Gdf15
UniProt Synonym Gene Names	Sbf; GDF-15

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://stage.aaabiotech.com/gdf15-rat-elisa-kits/gdf-15/46786>