

Rat GDF15 ELISA Kit | GDF15 elisa kit

Rat GDF15 ELISA Kit

CATALOG #
AAA263162

REACTIVITY
Rat

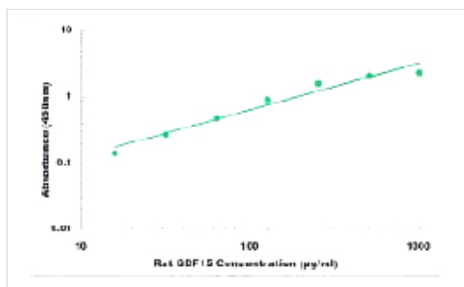
PRODUCT SYNONYMS

GDF15; Rat GDF15 ELISA Kit; MIC1; PDF; PLAB; PTGFB; Growth/differentiation factor 15; GDF-15; Macrophage inhibitory cytokine 1; MIC-1; NSAID-activated gene 1 protein; NAG-1; NSAID-regulated gene 1 protein; NRG-1; Placental TGF-beta; Placental bone morphogenetic protein; Prostate differentiation factor; GDF15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat GDF15 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat GDF15 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	303
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF15 elisa kit

Principle of the Assay: The Rat GDF15 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat GDF15 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat GDF15 coated on a 96-well plate. Standards and samples are pipetted into the wells and GDF15 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat GDF15 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of GDF15 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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.

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
UniProt Entry Name	GDF15_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/gdf15/263162>