GDF5 elisa kit

Chicken GDF5 PicoKine ELISA Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA124852	**ChickenThere is no detectable cross-reactivity with other relevant proteins.**	**ELISA**

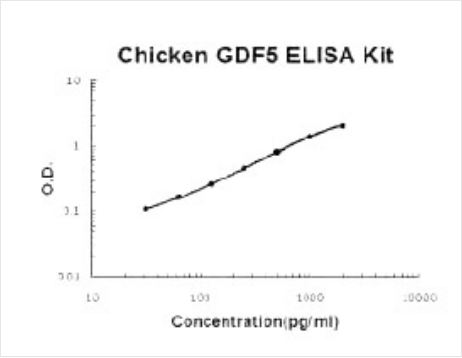
PRODUCT SYNONYMS

GDF5; Chicken GDF5 PicoKine ELISA Kit; Growth and differentiation factor-5; Gdf5; gdf-5; GDF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Chicken Chicken GDF5
Sequence Length	67
Assay Type	Quantitative Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for GDF5 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDF5 elisa kit	Principle of the Assay: Chicken Chicken GDF5 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A specific for Chicken GDF5 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: A376-R495) and test samples are added to the wells, a biotinylated detection specific for Chicken GDF5 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 Chicken Chicken GDF5 amount of sample captured in plate. Background: Growth/differentiation factor 5 is a protein that in humans is encoded by the GDF5 gene. GDF5 is a protein belonging to the transforming growth factor beta superfamily that is expressed in the developing central nervous system, and has a role in skeletal and joint development. It also increases the survival of neurones that respond to the neurotransmitter dopamine, and is a potential therapeutic molecule associated with Parkinson's disease.
Product Categories/Family for GDF5 elisa kit	Signal Transduction; Metabolism; mitochondrial

NCBI AND UNIPROT INFORMATION

NCBI GI #	81901154
UniProt Accession #	Q8K4X5
Molecular Weight	7491 MW
NCBI Official Full Name	Growth and differentiation factor-5
UniProt Protein Name	Growth and differentiation factor-5
UniProt Gene Name	**Gdf5**

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/chicken-elisa-kits/gdf5/124852