

Chicken Growth Regulated Oncogene Beta ELISA Kit | GROb elisa kit

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CATALOG #
AAA93044

REACTIVITY
Chicken

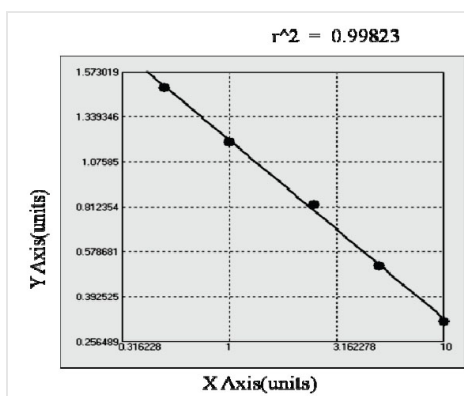
PRODUCT SYNONYMS

Growth Regulated Oncogene Beta; Chicken Growth Regulated Oncogene Beta ELISA Kit; GROb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GROb elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This GROb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken GROb. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY GROb ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GROb antibody and an GROb-HRP conjugate. The assay sample and buffer are incubated together with GROb-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GROb concentration since GROb from samples and GROb-HRP conjugate compete for the anti-GROb antibody binding site. Since the number of sites is limited, as more sites are occupied by GROb from the sample, fewer sites are left to bind GROb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GROb concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	114326491
NCBI GeneID	281734
NCBI Accession #	NP_001041630.1
NCBI GenBank Nucleotide #	NM_001048165.1
UniProt Accession #	O46677; Q9TQR5
Molecular Weight	10,950 Da
NCBI Official Full Name	growth-regulated protein homolog beta
NCBI Official Symbol	CXCL2
NCBI Official Synonym Symbols	GRO2; GROB; GROX
NCBI Protein Information	growth-regulated protein homolog beta; GRO-beta; growth related oncogene X; GRO2, growth related gene 2 (GRO2 oncogene)
UniProt Protein Name	Growth-regulated protein homolog beta
UniProt Gene Name	GRO-beta
UniProt Synonym Gene Names	GRO-beta
UniProt Entry Name	GROB_BOVIN

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/grob-chicken-elisa-kits/growth-regulated-oncogene-beta/93044>