

Goat Cartilage glycoprotein 39 ELISA Kit | gp-39 elisa kit

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CATALOG #
AAA89518

REACTIVITY
Goat

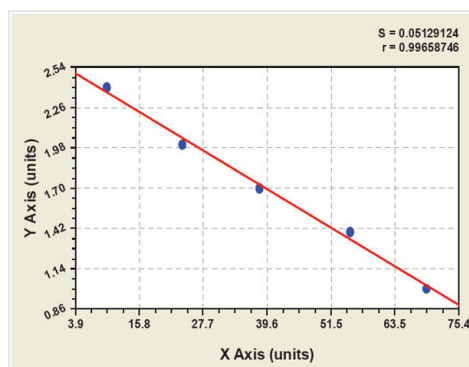
PRODUCT SYNONYMS

Cartilage glycoprotein 39; Goat Cartilage glycoprotein 39 ELISA Kit; gp-39 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This gp-39 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat gp-39. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for gp-39 elisa kit

Principle of the assay: gp-39 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-gp-39 antibody and an gp-39-HRP conjugate. The assay sample and buffer are incubated together with gp-39-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 gp-39 concentration since gp-39 from samples and gp-39-HRP conjugate compete for the anti-gp-39 antibody binding site. Since the number of sites is limited, as more sites are occupied by gp-39 from the sample, fewer sites are left to bind gp-39-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The gp-39 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2121310
NCBI GeneID	1116
UniProt Accession #	P36222; P30923; Q8IVA4; Q96HI7; B2R7B0
Molecular Weight	42,625 Da
NCBI Official Full Name	GP-39 cartilage protein
NCBI Official Synonym Full Names	chitinase 3-like 1 (cartilage glycoprotein-39)
NCBI Official Symbol	CHI3L1
NCBI Official Synonym Symbols	GP39; ASRT7; GP-39; YKL40; CGP-39; YKL-40; YYL-40; HC-gp39; HCGP-3P; hCGP-39
NCBI Protein Information	chitinase-3-like protein 1; 39 kDa synovial protein; cartilage glycoprotein 39
UniProt Protein Name	Chitinase-3-like protein 1
UniProt Gene Name	CHI3L1
UniProt Synonym Gene Names	CGP-39; GP-39; hCGP-39
UniProt Entry Name	CH3L1_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://stage.aaabiotech.com/gp-39-goat-elisa-kits/cartilage-glycoprotein-39/89518>