

Monkey Cartilage glycoprotein 39/YKL40 ELISA Kit | YKL40 elisa kit

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CATALOG # AAA92759	REACTIVITY Monkey
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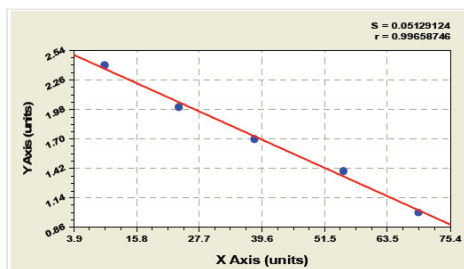
PRODUCT SYNONYMS

Cartilage glycoprotein 39/YKL40; Monkey Cartilage glycoprotein 39/YKL40 ELISA Kit; YKL40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This YKL40 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey YKL40. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for YKL40 elisa kit

Principle of the Assay: YKL40 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-YKL40 antibody and an YKL40-HRP conjugate. The assay sample and buffer are incubated together with YKL40-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 YKL40 concentration since YKL40 from samples and YKL40-HRP conjugate compete for the anti-YKL40 antibody binding site. Since the number of sites is limited, as more sites are occupied by YKL40 from the sample, fewer sites are left to bind YKL40-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The YKL40 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	144226251
NCBI GeneID	1116
NCBI Accession #	NP_001267.2
NCBI GenBank Nucleotide #	NM_001276.2
Molecular Weight	42,625 Da
NCBI Official Full Name	chitinase-3-like protein 1
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/monkey-elisa-kits/cartilage-glycoprotein-39-ykl40/92759>