

Monkey Chitinase-3-like Protein 1 (YKL-40/CHI3L1) ELISA Kit | CHI3L1 elisa kit

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CATALOG #
AAA244576

REACTIVITY
Monkey

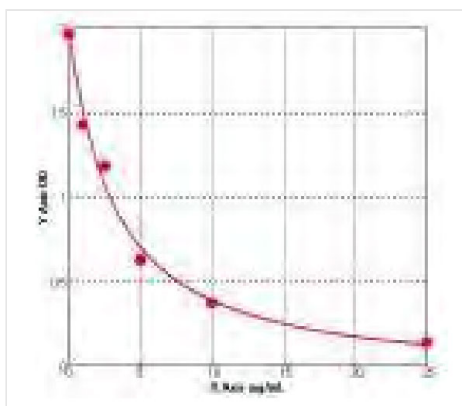
PRODUCT SYNONYMS

Chitinase-3-like Protein 1 (YKL-40/CHI3L1); Monkey Chitinase-3-like Protein 1 (YKL-40/CHI3L1) ELISA Kit; CHI3L1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of CHI3L1. No significant cross-reactivity or interference between CHI3L1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CHI3L1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 CHI3L1 elisa kit	Principle of the Assay: CHI3L1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CHI3L1 antibody and an CHI3L1-HRP conjugate. The assay sample and buffer are incubated together with CHI3L1-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 CHI3L1 concentration since CHI3L1 from samples and CHI3L1-HRP conjugate compete for the anti-CHI3L1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CHI3L1 from the sample, fewer sites are left to bind CHI3L1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CHI3L1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CHI3L1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CHI3L1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CHI3L1 elisa kit	Immunology

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/chitinase-3-like-protein-1-ykl-40-chi3l1/244576>