

Human YKL-40 ELISA Kit | CHI3L1 elisa kit

Human YKL-40 ELISA Kit

CATALOG # AAA17892	REACTIVITY Human	APPLICATIONS ELISA
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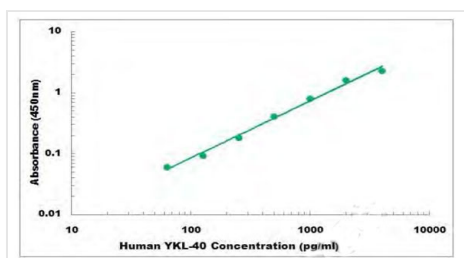
PRODUCT SYNONYMS

YKL-40; Human YKL-40 ELISA Kit; Chitinase-3-like protein 1; 39 kDa synovial protein; Cartilage glycoprotein 39; CGP-39; GP-39; hCGP-39; CHI3L1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human YKL-40 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human YKL-40 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	383
Samples	Culture Supernatants, Serum, Plasma, Urine
Sensitivity	< 10 pg/ml
Applicable Applications for CHI3L1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHI3L1 elisa kit	Background: Chitinase-3-like protein 1, also called CHI3L1 or YKL-40 is a secreted glycoprotein that is approximately 40kDa in size that in humans is encoded by the CHI3L1 gene. This gene is mapped to 1q32.1. Chitinases catalyze the hydrolysis of chitin, which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight human family members. This gene encodes a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. The protein is thought to play a role in the process of inflammation and tissue remodeling. Principle of the Assay: The Human YKL-40 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human YKL-40 in Cell Culture Supernatants, Serum, Plasma, Urine. This assay employs an antibody specific for Human YKL-40 coated on a 96-well plate. Standards and samples are pipetted into the wells and YKL-40 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human YKL-40 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of YKL-40 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	144226251
NCBI GeneID	1116
NCBI Accession #	NP_001267.2
NCBI GenBank Nucleotide #	NM_001276.2
UniProt Accession #	P36222; P30923; Q8IVA4; Q96HI7; B2R7B0
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/chi3l1-human-elisa-kits/ykl-40/17892>