

Human chitinase 3-like 1 (cartilage glycoprotein-39) ELISA Kit | CHI3L1 elisa kit

Human Chitinase-3-like Protein 1, YKL-40/CHI3L1 ELISA Kit

CATALOG #
AAA15214

REACTIVITY
Human

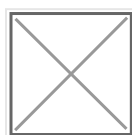
PRODUCT SYNONYMS

chitinase 3-like 1 (cartilage glycoprotein-39); Human Chitinase-3-like Protein 1; YKL-40/CHI3L1 ELISA Kit; Human Chitinase-3-like Protein 1 (YKL-40/CHI3L1) ELISA Kit; ASRT7; DKFZp686N19119; FLJ38139; GP39; HC-gp39; HCGP-3P; YKL40; YYL-40; chitinase 3-like 1; Human Chitinase-3-like Protein 1 (YKL-40/CHI3L1); CHI3L1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human YKL-40. No significant cross-reactivity or interference between human YKL-40 and analogues was observed.
Sequence Length	383
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	46.875 pg/ml -3000 pg/ml.
Sensitivity	The minimum detectable dose of human YKL-40 is typically less than 78.065 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHI3L1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for YKL-40 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any YKL-40 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for YKL-40 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of YKL-40 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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/chitinase-3-like-1-cartilage-glycoprotein-39/15214>