

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

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CATALOG #
AAA245052

REACTIVITY
Porcine

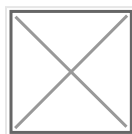
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
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

Intended Uses: This YARS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human YARS. This ELISA kit for research use only!

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

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/porcine-elisa-kits/chitinase-3-like-protein-1-ykl-40-chi3l1/245052>