

Mouse Chitinase-3-like Protein 1 (CHI3L1) ELISA Kit | CHI3L1 elisa kit

Mouse Chitinase-3-like Protein 1 (CHI3L1)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152431

REACTIVITY
Mouse

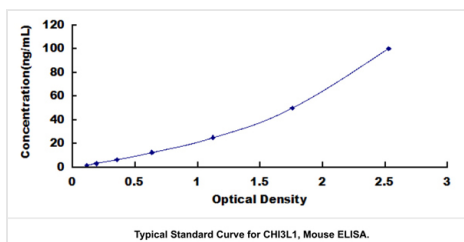
PRODUCT SYNONYMS

Chitinase-3-like Protein 1 (CHI3L1); Mouse Chitinase-3-like Protein 1 (CHI3L1)(Sandwich ELISA) ELISA Kit; ELISA Kit for Chitinase-3-like Protein 1 (CHI3L1); GP39; CHI3-L1; YKL40; Chondrex; Chitinase 3-Like 1; Chondrocyte Protein YKL40; 39 kDa synovial protein; CHI3L1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.62ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CHI3L1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CHI3L1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHI3L1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CHI3L1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CHI3L1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CHI3L1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CHI3L1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CHI3L1 in mouse serum, plasma, tissue homogenatesand other biological fluids.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	635377452
NCBI GeneID	12654
UniProt Accession #	Q61362; Q3U291; Q4FJW9; Q8BKL8; Q99J84; B0FEU7; D3Z2P2
Molecular Weight	42,805 Da
NCBI Official Full Name	Chitinase-3-like protein 1
NCBI Official Synonym Full Names	chitinase-like 1
NCBI Official Symbol	Chi1
NCBI Official Synonym Symbols	Gp39; Brp39; Chi3l1; AW208766
NCBI Protein Information	chitinase-3-like protein 1; GP-39; CGP-39; chitinase 3-like 1; cartilage glycoprotein 39; breast regression protein 39
UniProt Protein Name	Chitinase-3-like protein 1
UniProt Gene Name	Chi3l1
UniProt Synonym Gene Names	Brp39; Chi1; CGP-39; GP-39
UniProt Entry Name	CH3L1_MOUSE

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.