

Human chitinase1 (CHIT1) ELISA Kit | CHIT1 elisa kit

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CATALOG #
AAA44435

REACTIVITY
Human

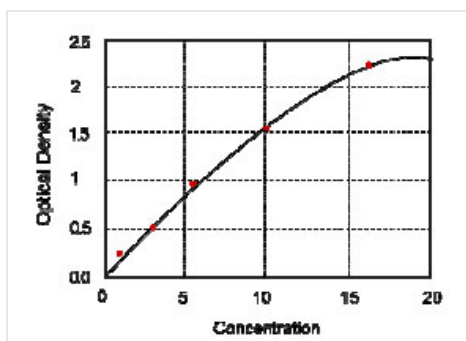
PRODUCT SYNONYMS

chitinase1 (CHIT1); Human chitinase1 (CHIT1) ELISA Kit; CHIT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	447
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.5ng/ml - 100ng/ml
Sensitivity	0.23ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHIT1 elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of human Chitinase1 (also known as CHIT1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human CHIT1 antibody. CHIT1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human CHIT1 Antibody is added and binds to CHIT1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated CHIT1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human CHIT1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	388890228
NCBI GeneID	1118
NCBI Accession #	NP_001243054.2
NCBI GenBank Nucleotide #	NM_001256125.1
UniProt Accession #	Q13231; Q0VGG5; Q0VGG6; Q3ZAR1; Q6ISC2; Q9H3V8; Q9UDJ8; B3KNW6; J3KN09
Molecular Weight	43,133 Da
NCBI Official Full Name	chitotriosidase-1 isoform 2
NCBI Official Synonym Full Names	chitinase 1
NCBI Official Symbol	CHIT1
NCBI Official Synonym Symbols	CHI3; CHIT; CHITD
NCBI Protein Information	chitotriosidase-1
UniProt Protein Name	Chitotriosidase-1
UniProt Gene Name	CHIT1

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.