

Human Chitotriosidase-1 ELISA Kit | CHIT1 elisa kit

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CATALOG #
AAA192707

REACTIVITY
Human

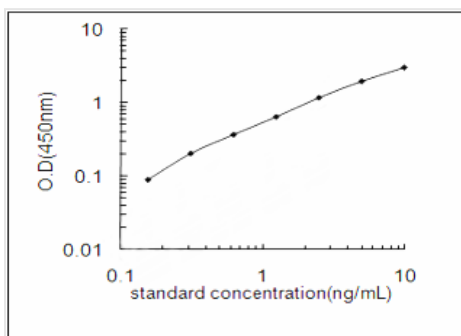
PRODUCT SYNONYMS

Chitotriosidase-1; Human Chitotriosidase-1 ELISA Kit; Chitinase-1; CHIT1; 3.2.1.14; CHIT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human Chitotriosidase-1. No significant cross-reactivity or interference was observed.
Sequence Length	447
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.076ng/ml
Intra-Assay CV	<=6.2%
Inter-Assay CV	<=8.4%
Recovery	98%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHIT1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Chitotriosidase-1 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Chitotriosidase-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Chitotriosidase-1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Chitotriosidase-1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Chitotriosidase-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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	49,613 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
UniProt Entry Name	CHIT1_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.