

Human Chitotriosidase-1 ELISA Kit | CHIT1 elisa kit

Human CHIT1 (Chitotriosidase-1) ELISA Kit

CATALOG #
AAA22036

REACTIVITY
Human

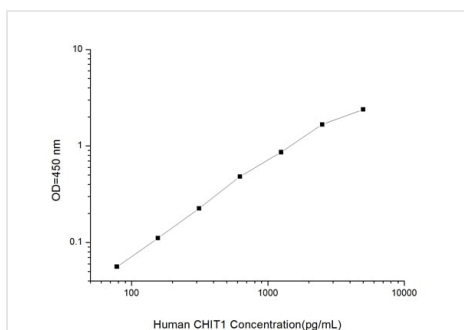
PRODUCT SYNONYMS

Chitotriosidase-1; Human CHIT1 (Chitotriosidase-1) ELISA Kit; CHIT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human CGRP1 in samples. No Significant cross-reactivity or interference between Human CGRP1 and analogues was observed.
Sequence Length	466
Samples	Serum, Plasma And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	15.63-1000 pg/mL
Sensitivity	9.38 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human CGRP1 were tested 20 times on one plate, respectively
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human CGRP1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHIT1 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human CGRP1 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CGRP1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human CGRP1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CGRP1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human CGRP1. You can calculate the concentration of Human CGRP1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502809
NCBI GeneID	1118
NCBI Accession #	NP_003456.1
NCBI GenBank Nucleotide #	NM_003465.2
UniProt Accession #	Q13231; Q0VGG5; Q0VGG6; Q3ZAR1; Q6ISC2; Q9H3V8; Q9UDJ8; B3KNW6; J3KN09
Molecular Weight	49,613 Da
NCBI Official Full Name	chitotriosidase-1 isoform 1
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.