

Human chitinase 1 (chitotriosidase) ELISA Kit | CHIT1 elisa kit

Human chitinase 1 (chitotriosidase) , CHIT1 ELISA Kit

CATALOG #
AAA18197

REACTIVITY
Human

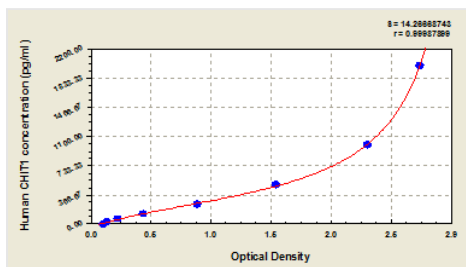
PRODUCT SYNONYMS

chitinase 1 (chitotriosidase); Human chitinase 1 (chitotriosidase); CHIT1 ELISA Kit; Human chitinase 1 (chitotriosidase) (CHIT1) ELISA kit; CHI3; CHIT; FLJ00314; MGC125322; chitotriosidase; plasma methylumbelliferyl tetra-N-acetylchitotetraoside hydrolase; CHIT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of pig CGRP. No significant cross-reactivity or interference between pig CGRP and analogues was observed.
Sequence Length	447
Samples	Serum, Plasma, Tissue Homogenates
Assay Type	Quantitative Sandwich
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	7.81 pg/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHIT1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CGRP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CGRP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CGRP is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CGRP bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	51,681 Da
NCBI Official Full Name	chitotriosidase-1 isoform 2
NCBI Official Synonym Full Names	chitinase 1 (chitotriosidase)
NCBI Official Symbol	CHIT1
NCBI Official Synonym Symbols	CHI3; CHIT; CHITD
NCBI Protein Information	chitotriosidase-1; plasma methylumbelliferyl tetra-N-acetylchitotetraoside hydrolase
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.