

Human Battenin (CLN3) ELISA Kit | CLN3 elisa kit

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CATALOG #
AAA244633

REACTIVITY
Human

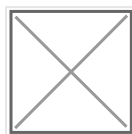
PRODUCT SYNONYMS

Battenin (CLN3); Human Battenin (CLN3) ELISA Kit; CLN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLN3 elisa kit	Intended Uses: This CLN3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CLN3. Principle of the Assay: CLN3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CLN3 antibody and an CLN3-HRP conjugate. The assay sample and buffer are incubated together with CLN3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CLN3 concentration since CLN3 from samples and CLN3-HRP conjugate compete for the anti-CLN3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLN3 from the sample, fewer sites are left to bind CLN3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLN3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CLN3 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	109698601
NCBI GeneID	1201

NCBI Accession #	NP_001035897.1
NCBI GenBank Nucleotide #	NM_001042432.1
Molecular Weight	37,969 Da
NCBI Official Full Name	battenin isoform a
NCBI Official Synonym Full Names	ceroid-lipofuscinosis, neuronal 3
NCBI Official Symbol	CLN3
NCBI Official Synonym Symbols	BTS; JNCL
NCBI Protein Information	battenin; batten disease protein
UniProt Protein Name	Battenin
UniProt Gene Name	CLN3
UniProt Synonym Gene Names	BTS
UniProt Entry Name	CLN3_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/battenin-cln3/244633>