

Human Exostoses 1 (EXT1) ELISA Kit | EXT1 elisa kit

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CATALOG #
AAA63836

REACTIVITY
Human

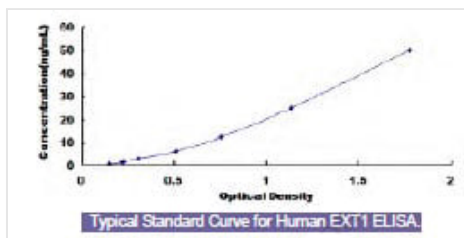
PRODUCT SYNONYMS

Exostoses 1 (EXT1); Human Exostoses 1 (EXT1) ELISA Kit; EXT Ttv LGCR; LGS Langer-Giedion Syndrome Chromosome Region Glucuronosyl-N-acetylglucosaminyl-Proteoglycan 4-Alpha-N-Acetylglucosaminyltransferase; EXT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EXT1. No significant cross-reactivity or interference between EXT1 and analogues was observed.
Sequence Length	746
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.28ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EXT1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level EXT1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EXT1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EXT1 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EXT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to EXT1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain EXT1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of EXT1 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 #	46370066
NCBI GeneID	2131
NCBI Accession #	NP_000118.2
NCBI GenBank Nucleotide #	NM_000127.2
UniProt Accession #	Q16394; Q9BVI9; B2R7V2
Molecular Weight	86,255 Da
NCBI Official Full Name	exostosin-1
NCBI Official Synonym Full Names	exostosin glycosyltransferase 1
NCBI Official Symbol	EXT1
NCBI Official Synonym Symbols	EXT; LGS; TTV; LGCR; TRPS2
NCBI Protein Information	exostosin-1
UniProt Protein Name	Exostosin-1
UniProt Gene Name	EXT1

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.