

Human Epiphykan (EPYC) ELISA Kit | EPYC elisa kit

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CATALOG #
AAA63841

REACTIVITY
Human

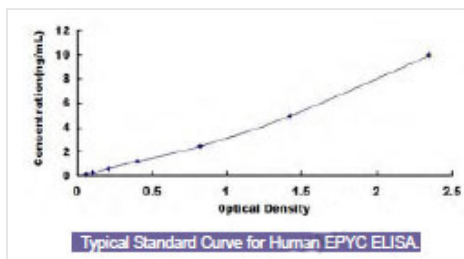
PRODUCT SYNONYMS

Epiphykan (EPYC); Human Epiphykan (EPYC) ELISA Kit; DSPG3; Pg-Lb; SLRR3B; Dermatan Sulphate Proteoglycan 3; Dermatan Sulfate Proteoglycan 3; Proteoglycan-Lb; Small chondroitin/dermatan sulfate proteoglycan; EPYC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EPYC. No significant cross-reactivity or interference between EPYC and analogues was observed.
Sequence Length	322
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EPYC 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 EPYC 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 EPYC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EPYC 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 EPYC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to EPYC. 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 EPYC, 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 EPYC 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 #	68800360
NCBI GeneID	1833
NCBI Accession #	NP_004941.2
NCBI GenBank Nucleotide #	NM_004950.4
UniProt Accession #	Q99645; Q8NEJ5; A8K3M7
Molecular Weight	36,637 Da
NCBI Official Full Name	epiphycan
NCBI Official Synonym Full Names	epiphycan
NCBI Official Symbol	EPYC
NCBI Official Synonym Symbols	PGLB; DSPG3; Pg-Lb; SLRR3B
NCBI Protein Information	epiphycan
UniProt Protein Name	Epiphycan
UniProt Gene Name	EPYC
UniProt Synonym Gene Names	DSPG3; PGLB; SLRR3B; PG-Lb

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.