

Human Ephrin B1 (EFNB1) ELISA Kit | EFNB1 elisa kit

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CATALOG #
AAA136684

REACTIVITY
Human

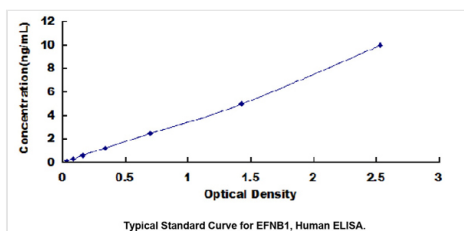
PRODUCT SYNONYMS

Ephrin B1 (EFNB1); Human Ephrin B1 (EFNB1) ELISA Kit; CFND; CFNS; EFL3; EPLG2; Elk-L; LERK2; EPH-related receptor tyrosine kinase ligand 2; Craniofrontonasal Syndrome(Craniofrontonasal Dysplasia); EFNB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EFNB1. No significant cross-reactivity or interference between EFNB1 and analogues was observed.
Sequence Length	346
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EFNB1 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 EFNB1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EFNB1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to EFNB1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to EFNB1. 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 EFNB1, 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 EFNB1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EFNB1 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for EFNB1 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758248
NCBI GeneID	1947
NCBI Accession #	NP_004420.1
NCBI GenBank Nucleotide #	NM_004429.4
UniProt Accession #	P98172; D3DVU0
Molecular Weight	38,007 Da
NCBI Official Full Name	ephrin-B1
NCBI Official Synonym Full Names	ephrin-B1
NCBI Official Symbol	EFNB1
NCBI Official Synonym Symbols	CFND; CFNS; EFB1; EFL3; EPLG2; Elk-L; LERK2
NCBI Protein Information	ephrin-B1
UniProt Protein Name	Ephrin-B1
UniProt Gene Name	EFNB1
UniProt Synonym Gene Names	EFL3; EPLG2; LERK2; ELK-L; LERK-2
UniProt Entry Name	EFNB1_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.