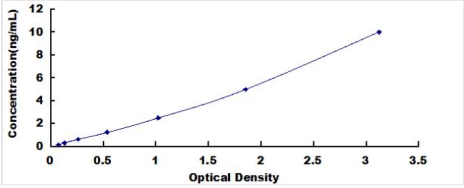
Ephrin A3 (EFNA3) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Ephrin A3 (EFNA3), ELISA Kit
Full Product Name	Human Ephrin A3 (EFNA3) ELISA Kit
Product Gene Name	EFNA3 elisa kit
Product Synonym Names	EFL2; EPLG3; Ehk1-L; LERK3; EHK1 ligand; EPH-related receptor tyrosine kinase ligand 3
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue Homogenates or Other Biological Fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	23,575 Da
OMIM	601381
3D Structure	ModBase 3D Structure for P52797
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for EFNA3 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EFNA3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to EFNA3. 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 EFNA3, 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 EFNA3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of EFNA3 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EFNA3 purchase	MBS458998 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Ephrin A3 (EFNA3) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing EFNA3. The ELISA analytical biochemical technique of the MBS458998 kit is based on EFNA3 antibody-EFNA3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect EFNA3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, EFNA3. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of EFNA3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFNA3. It may not necessarily be applicable to this product.

NCBI GI #	4826708
NCBI GeneID	1944
NCBI Accession #	NP_004943.1
UniProt Primary Accession #	P52797
UniProt Secondary Accession #	Q0VGC9; Q5SR70; B7ZAD3; D3DV85
UniProt Related Accession #	P52797
GenBank Nucleotide #	NM_004952.4
NCBI Official Full Name	ephrin-A3
NCBI Official Synonym Full Names	ephrin A3
NCBI Official Symbol	EFNA3
NCBI Official Synonym Symbols	EFL2; EPLG3; LERK3; Ehk1-L
UniProt Protein Name	Ephrin-A3
UniProt Synonym Protein Names	EFL-2; EHK1 ligand; EHK1-L; EPH-related receptor tyrosine kinase ligand 3; LERK-3
Protein Family	Ephrin
UniProt Gene Name	EFNA3
UniProt Synonym Gene Names	EFL2; EPLG3; LERK3; EHK1-L; LERK-3
NCBI Protein Information	ephrin-A3
NCBI Summary for EFNA3	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin. [provided by RefSeq, Jul 2008]
UniProt Comments for EFNA3	Cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling ().
Research Articles on EFNA3	**1.** Results show that EFNA3 serves as a tumor suppressor in malignant peripheral nerve sheath tumor cells and it may play a critical role in the FAK signaling and VEGF-associated tumor angiogenesis pathway.
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