

Human Ephrin-A1/EFNA1 ELISA Kit | EFNA1 elisa kit

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CATALOG #
AAA258398

REACTIVITY
Human

PRODUCT SYNONYMS

Ephrin-A1/EFNA1; Human Ephrin-A1/EFNA1 ELISA Kit; Ephrin-A1 ELISA Kit; Human; ephrin-A1; B61 ELISA Kit; ECKLG ELISA Kit; EFL1 ELISA Kit; EFNA1 ELISA Kit; EPLG1 ELISA Kit; LERK-1 ELISA Kit; LERK1 ELISA Kit; TNFAIP4 ELISA Kit; EFNA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human Ephrin-A1/EFNA1 concentration in cell culture supernates.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Cell supernatant
Detection Range	23.44-1500pg/mL
Sensitivity	4pg/mL
Conjugation	HRP
Interference	Preparations of EphA2, EphA3, EphA4 and EphA7 at 15ng/mL in a mid-range recombinant human EFNA1 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

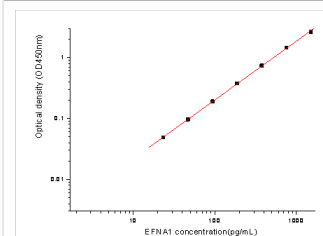
IMAGES

Recombinant human	IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6	
IFN- γ	MIP-1 β	TIMP-1	TIMP-2	
GM-CSF	SCF	PDGF	VEGF	
Ephrin-A5	Ephrin-B1	Ephrin-B2	Ephrin-A3	
Ephrin-A4	EphA2	EphA3	EphA4	
EphA7				
Recombinant mouse	EFNA1			
Recombinant rat	EFNA1			

Application Data

This assay recognizes both recombinant and natural Human EFNA1. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
23.44	0.049
46.88	0.096
93.75	0.191
187.5	0.374
375	0.738
750	1.458
1500	2.645



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for EFNA1 elisa kit	This Ephrin-A1 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human Ephrin-A1 protein in Cell supernatant. It contains recombinant Human Ephrin-A1, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: EPH-related receptor tyrosine kinase ligand 1 (abbreviated as Ephrin-A1) also known as ligand of eph-related kinase 1 or EFNA1, is a member of the ephrin (EPH) family. The Eph family receptor interacting proteins (ephrins) are a family of proteins that serve as the ligands of the Eph receptor, which compose the largest known subfamily of receptor protein-tyrosine kinases (RTKs). Ephrin-A1/EFNA1 and its Eph family of receptor tyrosine kinases are expressed by cells of the SVZ. Ephrin subclasses are further distinguished by their mode of attachment to the plasma membrane: ephrin-A ligands bind EphA receptors and are anchored to the plasma membrane via a glycosylphosphatidylinositol (GPI) linkage, whereas ephrin-B ligands bind EphB receptors and are anchored via a transmembrane domain. An exception is the EphA4 receptor, which binds both subclasses of ephrins. Ephrin-A1 and one of its receptor EphA2 were expressed in xenograft endothelial cells and also tumor cells and play a role in human cancers, at least in part by influencing tumor neovascularization.
References	Deroanne C, et al. (2003) EphrinA1 inactivates integrin-mediated vascular smooth muscle cell spreading via the Rac/PAK pathway. J Cell Sci. 116(7): 1367-76. Ojima T, et al. (2006) EphrinA1 inhibits vascular endothelial growth factor-induced intracellular signaling and suppresses retinal neovascularization and blood-retinal barrier breakdown. Am J Pathol. 168(1): 331-9. Wu D, et al. (2004) Prognostic value of EphA2 and Ephrin-A-1 in squamous cell cervical carcinoma. Gynecol Oncol. 94(2): 312-9.

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/ephrin-a1-efna1/258398>