

Human Activin Receptor-Like Kinase 1 (ALK1) ELISA Kit | ALK1 elisa kit

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CATALOG #
AAA331095

REACTIVITY
Human

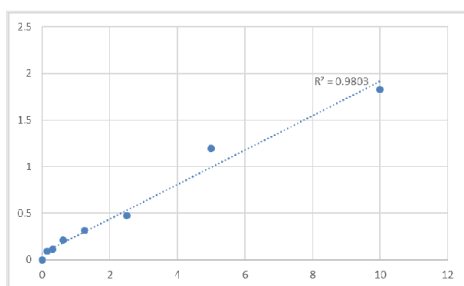
PRODUCT SYNONYMS

Activin Receptor-Like Kinase 1 (ALK1); Human Activin Receptor-Like Kinase 1 (ALK1) ELISA Kit; ACVRL1; ACVRLK1; ALK-1; ALK1; HHT; HHT2; ORW2; SKR3; TSR-I; TGF-B superfamily receptor type I; activin A receptor; type-like kinase 1; serine/threonine-protein kinase receptor R3; ALK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Activin Receptor-Like Kinase 1 (ALK1) ELISA Kit has high sensitivity and excellent specificity for detection of Human ACVRL1. No significant cross-reactivity or interference between Human ACVRL1 and analogues was observed.
Sequence Length	503
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Activin Receptor-Like Kinase 1 (ALK1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ALK1 elisa kit	Description: This Human Activin Receptor-Like Kinase 1 (ALK1) ELISA Kit employs a two-site sandwich ELISA to quantitate ACVRL1 in samples. An antibody specific for ACVRL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACVRL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACVRL1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ACVRL1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ACVRL1 encodes a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine- and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal tail. The encoded protein, sometimes termed ALK1, shares similar domain structures with other closely related ALK or activin receptor-like kinase proteins that form a subfamily of receptor serine/threonine kinases. Mutations in this gene are associated with hemorrhagic telangiectasia type 2, also known as Rendu-Osler-Weber syndrome 2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116734712
NCBI GeneID	94
NCBI Accession #	NP_000011.2
NCBI GenBank Nucleotide #	NP_000011.2
UniProt Accession #	P37023
NCBI Official Full Name	serine/threonine-protein kinase receptor R3
NCBI Official Synonym Full Names	activin A receptor like type 1
NCBI Official Symbol	ACVRL1
NCBI Official Synonym Symbols	HHT; ALK1; HHT2; ORW2; SKR3; ALK-1; TSR-I; ACVRLK1
NCBI Protein Information	serine/threonine-protein kinase receptor R3
UniProt Protein Name	Serine/threonine-protein kinase receptor R3
UniProt Gene Name	ACVRL1
UniProt Synonym Gene Names	ACVRLK1; ALK1; SKR3; ALK-1; TSR-I
UniProt Entry Name	ACVL1_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.