

# Human Activin Receptor-Like Kinase 1 (ALK1) ELISA Kit



Catalog No: #EK7694

Orders: order@signalwayantibody.com

Package Size: #EK7694-1 48T #EK7694-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Activin Receptor-Like Kinase 1 (ALK1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ACVRLK1; ALK-1; ALK1; HHT; HHT2; ORW2; SKR3; TSR-I; TGF-B superfamily receptor type II activin A receptor; type II-like kinase 1 serine/threonine-protein kinase receptor R3
Accession No.	P37023
Uniprot	P37023
GeneID	94;
Storage	The stability of ELISA 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.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.056 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay 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 anyACVRL1 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.**Product Overview:**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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Note: This product is for in vitro research use only