

Sheep Activin Receptor Like Kinase 1 ELISA Kit | ALK1 elisa kit

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CATALOG #
AAA97034

REACTIVITY
Sheep

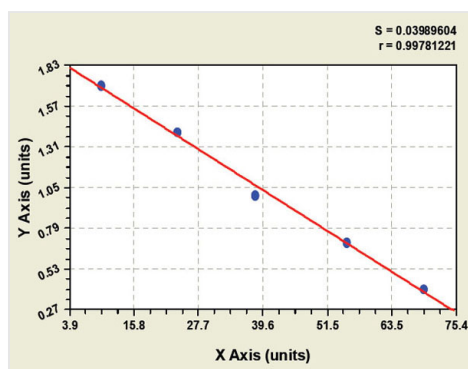
PRODUCT SYNONYMS

Activin Receptor Like Kinase 1; Sheep Activin Receptor Like Kinase 1 ELISA Kit; ALK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALK1 elisa kit

Intended Uses: This ALK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ALK1. This ELISA kit for research use only!

Principle of the Assay: ALK1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALK1 antibody and an ALK1-HRP conjugate. The assay sample and buffer are incubated together with ALK1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ALK1 concentration since ALK1 from samples and ALK1-HRP conjugate compete for the anti-ALK1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ALK1 from the sample, fewer sites are left to bind ALK1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALK1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ALK1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2228562
NCBI GeneID	94
Molecular Weight	56,124 Da
NCBI Official Full Name	activin receptor like kinase 1
NCBI Official Synonym Full Names	activin A receptor type II-like 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; TGF-B superfamily receptor type I; activin A receptor, type II-like kinase 1
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.

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Online datasheet: <https://stage.aaabiotech.com/alk1-sheep-elisa-kits/activin-receptor-like-kinase-1/97034>