

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

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CATALOG # AAA94029	REACTIVITY Bovine
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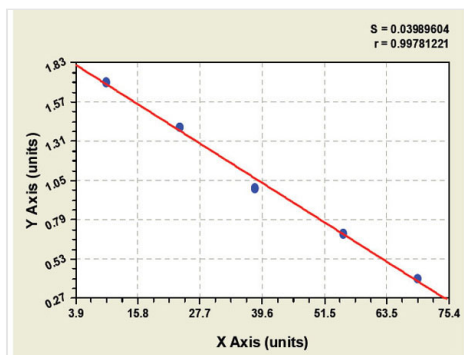
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This ALK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ALK1. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALK1 elisa kit

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.

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-bovine-ovine-elisa-kits/activin-receptor-like-kinase-1/94029>