

Human Activin A (ACV-A) ELISA Kit | ACV-A elisa kit

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CATALOG #
AAA331092

REACTIVITY
Human

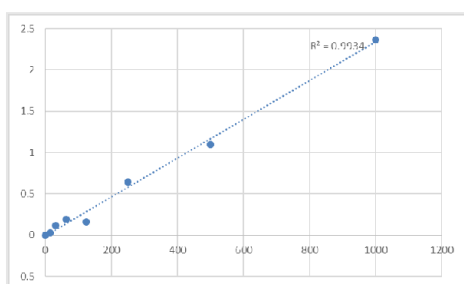
PRODUCT SYNONYMS

Activin A (ACV-A); Human Activin A (ACV-A) ELISA Kit; ACV-A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Activin A (ACV-A) ELISA Kit has high sensitivity and excellent specificity for detection of Human ACV-A. No significant cross-reactivity or interference between Human ACV-A and analogues was observed.
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 A (ACV-A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ACV-A elisa kit	Description: This Human Activin A (ACV-A) ELISA Kit employs a two-site sandwich ELISA to quantitate ACV-A in samples. An antibody specific for ACV-A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACV-A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACV-A 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 ACV-A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Activin A, a cytokine member of the transforming growth factor-beta superfamily, is expressed locally by the mesenchymal component of the hemopoietic microenvironment. Its expression is regulated on the mRNA level by different cytokines, and the biological activity of the protein is tightly controlled by several inhibitory molecules. Activin A affects hemopoietic cells of various lineages, as evidenced by in vitro studies of leukemia and lymphoma cell lines, which were used to elucidate the mechanism of its action. In the B-cell lineage, activin A is a cell cycle inhibitor, a mediator of apoptosis, and a cytokine antagonist. Limited information is available on the effects of activin A on normal hemopoietic cells. Recent studies suggest that it might be a negative regulator of normal B lymphopoiesis. Whereas the functions of activin A in vitro are well established, further research tools are needed to elucidate its role within specific hemopoietic microenvironments in vivo.
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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/activin-a-acv-a/331092>