

## ARG83046 Human Activin A ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG83046 Human Activin A ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Activin A in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not cross-reacts with: Human Activin B, Activin C, Activin RIA, Activin RIB, Activin RIIA, Activin RIIB, ALK 1, TGF beta1. Mouse Activin C, Activin RIB, Activin RIIB, ALK1.
Target Name	Activin A
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	INHBA, Inhibin Subunit Beta A, Inhibin, Beta A (Activin A, Activin AB Alpha Polypeptide), Erythroid Differentiation Protein, Inhibin Beta A Chai, Activin Beta A Chain, EDF, Follicle Stimulating Hormone-Releasing Protein, Erythroid Differentiation Facto, Inhibin Beta A Subunit, FSH Releasing Protein, Inhibin, Beta A, Inhibin, Beta 1, FRP

### Application Instructions

Assay Time	~ 4 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	INHBA
Gene Full Name	Inhibin Subunit Beta A

Background	This gene encodes a member of the TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate a subunit of the dimeric activin and inhibin protein complexes. These complexes activate and inhibit, respectively, follicle stimulating hormone secretion from the pituitary gland. The encoded protein also plays a role in eye, tooth and testis development. Elevated expression of this gene may be associated with cancer cachexia in human patients. [provided by RefSeq, Aug 2016]
Function	Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic axial development or bone growth, depending on their subunit composition. Inhibins appear to oppose the functions of activins. [UniProt]
Highlight	Related products: <a href="#">Activin A antibodies</a> ; <a href="#">Activin A ELISA Kits</a> ; <a href="#">Activin A recombinant proteins</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Cleavage on pair of basic residues, Disulfide bond, Glycoprotein
Cellular Localization	Secreted