

ARG83046 Human Activin A ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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| 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 | INHBA |
| 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 |
| 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

Properties

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|---------------------|--|
| 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

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|----------------|---|
| 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]

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PTM Cleavage on pair of basic residues, Disulfide bond, Glycoprotein

Cellular Localization Secreted