

ARG83113 Bovine Activin A ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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| Product Description | ARG83113 Bovine Activin A ELISA Kit is an Enzyme Immunoassay kit for the quantification of Bovine Activin A in Serum, Plasma (heparin, EDTA), Saliva, Cell culture supernatants. |
| Tested Reactivity | Bov |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | Activin A |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 12 pg/ml |
| Detection Range | 15.6 pg/ml - 1,000 pg/ml |
| Sample Type | Serum, Plasma, Saliva, Cell culture supernatants |
| Precision | Intra-Assay CV: 5.6% Inter-Assay CV: 5.9% |
| Alternate Names | Erythroid differentiation protein; Activin beta-A chain; FRP; EDF; Inhibin beta A chain |

Application Instructions

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| Assay Time | ~ 5 hours |
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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, beta A |
| Background | The inhibin beta A subunit joins the alpha subunit to form a pituitary FSH secretion inhibitor. Inhibin has been shown to regulate gonadal stromal cell proliferation negatively and to have tumor-suppressor activity. In addition, serum levels of inhibin have been shown to reflect the size of granulosa-cell tumors and can therefore be used as a marker for primary as well as recurrent disease. Because expression in gonadal and various extragonadal tissues may vary severalfold in a tissue-specific fashion, it is proposed that inhibin may be both a growth/differentiation factor and a hormone. Furthermore, the beta A subunit forms a homodimer, activin A, and also joins with a beta B subunit to form a heterodimer, |

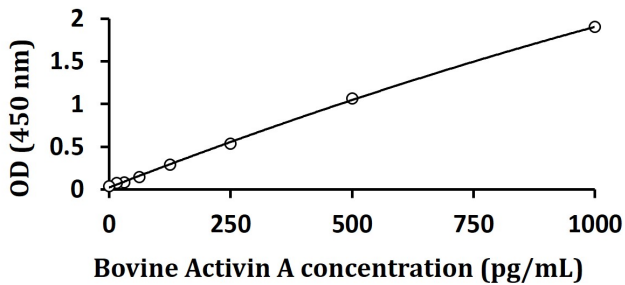
activin AB, both of which stimulate FSH secretion. Finally, it has been shown that the beta A subunit mRNA is identical to the erythroid differentiation factor subunit mRNA and that only one gene for this mRNA exists in the human genome.

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.

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Images



ARG83113 Bovine Activin A ELISA Kit standard curve image

ARG83113 Bovine Activin A ELISA Kit ARG83113 results of a typical standard run with optical density reading at 450 nm.