

Human Activin A ELISA Kit

Catalog No: #EK5123



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Description

Product Name	Human Activin A ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	CHO,G311-S426
Other Names	Inhibin, beta A (Activin A, activin AB alpha polypeptide); Inhibin, beta A (Activin A, activin AB alpha polypeptide), isoform CRA_a; cDNA FLJ75379, highly similar to Homo sapiens inhibin, beta A (activin A, activin AB alpha polypeptide), mRNA; INHBA; hCG_17267,tcag7.474;
Accession No.	A4D1W7
Uniprot	A4D1W7
Cell Localization	Secreted.

Application Details

sensitivity:12pg mlDetect Range:15.6pg ml-1000pg mlsample_type:cell culture supernates serum plasma(heparin EDTA) and saliva.capture_antibody:monoclonal antibody from mousedetection_antibody:monoclonal antibody from mousegene_name:INHBAprotein_name:Inhibin beta A chaingene_full_name:inhibin beta Atissue_specificity:Uterus ovary and liver. sequence_similarities:tmb_incubation:25-30minresearch_category:signal transduction|growth factors/hormones|cancer|tumor biomarkers

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Activin A

Background

protein_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. Activin A is a homodimer of 14kDa beta-A. 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. Inhibins and activins are members of the transforming growth factor beta superfamily and are known to modulate the growth and differentiation of several cell types. 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. The standard product used in this kit is recombinant Activin A, which is composed of two single chains of 116 amino acids with the molecular mass of 26KDa.

Note: This product is for in vitro research use only