
Human Activin A ELISA Kit**Subcategory**

Sandwich
Colorimetric
RUO
551000

Unit

96 Tests

\$500.00

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.¹ 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.² 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.

Protein Family

Receptors and Channels

Pathway and Disease

Signaling molecules and interaction

Product Citations

yes

Alternate Names

Glucagon-like peptide 1; GLP-1; Glucagon; GCG

Accession No.

P01275

Storage

Store at 4° for frequent use, at -20° for infrequent use. Avoid multiple freeze-thaw cycles. Four months at 4°C, Eight months at -20°C.

Species Reactivity

H

Assay Range

62.5pg/ml-4000pg/ml

Sensitivity

< 12pg/ml

Cross-reactivity

No detectable cross-reactivity with any other cytokine.

Suitable Samples

For quantitative detection of human FASL in sera, plasma, body fluids, tissue lysates or cell culture supernatants. Sample volumes: 10-100 ul.

Kit Components

Lyophilized recombinant human FASL standard: 10ng/tubex2.| One 96-well plate precoated with anti- human FASL antibody|

Sample diluent buffer: 30 ml| Biotinylated anti- human FASL antibody: 130?l

dilution 1:100.| Antibody diluent buffer: 12ml.| Avidin-Biotin-Peroxidase Complex (ABC): 130?l

dilution 1:100.| ABC diluent buffer: 12ml.| TMB color developing agent: 10ml.| TMB stop solution: 10ml.