



New release !!

Glucagon-HS ELISA Kit



◆ Introduction

Glucagon is a 29-amino acid polypeptide hormone, synthesized and secreted from alpha cells of the islets of Langerhans. Glucagon generally elevates the concentration of glucose in the blood by promoting gluconeogenesis and glycogenolysis, and it has the opposite effect of insulin. The secretion of glucagon and insulin into the blood in response to the blood glucose concentration is the primary mechanism responsible for keeping the glucose levels.

This Glucagon sandwich ELISA kit has been developed by using two monoclonal antibodies specific for glucagon. This kit has high specificity to glucagon and shows no significant cross reactivity with Glicentin, Oxyntomodulin, GLP-1 and GLP-2.



◆ Assay Characteristics

- High Sensitivity
- High Specificity: using two mAb
- One step reaction
- Low sample volume: 10 uL
- Standard range: 2.2 - 143.6 pmol/L
(7.8 - 500 pg/mL)

References

- **Glucagon antibodies and their use for immunoassay for glucagon.** Unger, R.H., Eisentraut, A.M., McCall, M.S., Keller, S., Lanz, H.C. and Madison, L.L. Proc . Soc . Exp . Biol . Med.,102 : 621 - 623 (1959)
- **Glucagon antibodies and an immunoassay for glucagon.** Unger, R.H., Eisentraut, A.M., McCall, M.S. and Madison, L.L. J . Clin . Invest.,40 : 1280-1289 (1961)
- **Glucagon radioimmunoassay with use of antiserum to glucagon C-terminal fragment.** Nishino, T., Kodaira, T., Shin, S., Imagawa, K., Shima, K., Kumahara, Y., Yanaihara, C. and Yanaihara, N. Clin . Chem.,27 : 1690-1697 (1981)
- **Cerculating glucagon : Plasma profiles and matabolism in health and disease.** Jaspan, J.B., and Rubenstein, A.H.Diabetes., 26 : 887-902 (1977)

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