

## Rat Glucagon ELISA Kit *wako*

Cat. #297-57101 96 tests

2–10°C

Glucagon is known as a hormone secreted from the pancreas and intestines. This kit aims at measurement of rat Glucagon peptide secreted from pancreatic  $\alpha$ -cells by competitive format. Pancreatic Glucagon plays an important role in regulating sugar levels by elevating sugar in the blood, together with insulin.

### [Principle]

Mixture of biotinylated rat Pancreatic Glucagon and that in the sample or the standard material binds to rabbit antibody specific to rat Pancreatic Glucagon coated on the microplate well surface in competitive fashion. Sequential reaction with HRP-conjugated streptavidin results in a formation of HRP-streptavidin-biotin-antibody complex in the well, which catalyzes hydrogen peroxide, generating color by oxidation of an acceptor substrate.

Dynamic range : 50 ~ 10,000 pg/mL

### Cross-reactivity

Specific to rat pancreatic Glucagon, but not cross-reactive to intestinal Glucagon nor Glucagon-like peptides as GLP-1 and GLP-2.

### [Kit Contents (96 tests)]

1. Antibody-coated Microtiter Plate (Anti Rat Glucagon, Rabbit)	1 plate
2. Rat Glucagon Standard	10 ng
3. Biotinylated Rat Glucagon	for 6 mL
4. HRP-conjugated Streptavidin	12 mL
5. Chromogen (OPD Tablet)	2 tablets
6. Chromogen Diluent Solution	26 mL
7. Buffer A	10 mL
8. Buffer B	15 mL
9. Wash Stock Solution (20 ×)	50 mL
10. Stop Solution (1 mol/L H <sub>2</sub> SO <sub>4</sub> )	12 mL
11. Adhesive Plate Cover	4 covers

