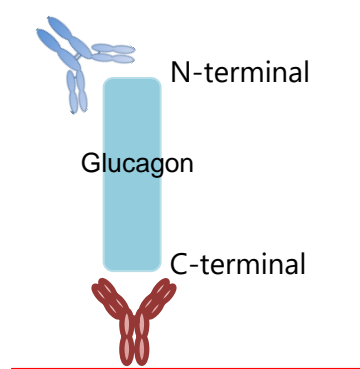


For diabetes and obesity research Glucagon ELISA kit Wako(Sandwich method)

Glucagon is a peptide hormone consisting of 29 amino acids secreted from the α cells of pancreatic islets of Langerhans. The main physiological function of glucagon is to decompose glycogen in the liver into glucose, increase blood glucose level, and keep glucose level constant with insulin.

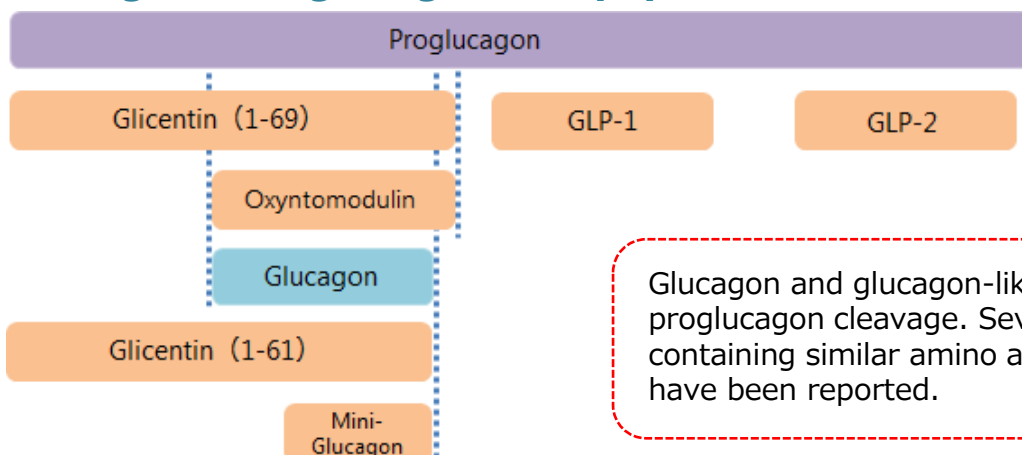


Features

- **low cross-reactivity**
- High sensitivity(0.3pmol/L-)
- Small sample volume(10 μ L-)

This item is **glucagon sandwich ELISA kit** using 2 kinds of monoclonal antibodies. One reacts to the N-terminal of glucagon and the other reacts to the C-terminal.

Glucagon and glucagon-like peptide



Glucagon and glucagon-like peptides are produced by proglucagon cleavage. Several glucagon-like peptides containing similar amino acid sequence as glucagon have been reported.

Cross-reactivity

There is low cross-reactivity with similar peptides in this ELISA kit.

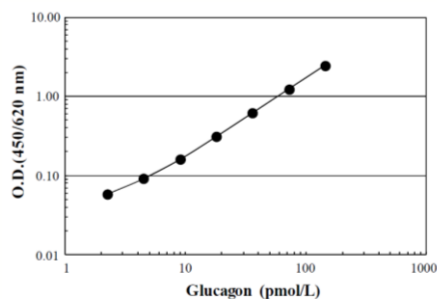
Name	Cross-reactivity (%)
Glicentin(1-69) (human)	0.68
Glicentin(1-69) (rat)	0.96
Glicentin(1-69) (mouse)	0.97
Glicentin(1-61) (human)	0.95
Glicentin(1-61) (rat)	not confirmed
Glicentin(1-61) (mouse)	not confirmed
Oxyntomodulin (human, rat and mouse)	0.64
Mini-glucagon (human, rat and mouse)	N.D.

Name	Cross-reactivity (%)
GLP-1(7-36) NH2 (human, rat and mouse)	N.D.
GLP-1(9-36) NH2 (human, rat and mouse)	N.D.
GLP-2 (human)	N.D.
GLP-2 (rat)	N.D.
GLP-2 (mouse)	N.D.
GIP (human)	N.D.
GIP (rat)	N.D.
GIP (mouse)	N.D.

Performance

Principle	Sandwich ELISA
Standard curve	2.2~143.6 pmol/L(7.8~500pg/mL)
Sensitivity	0.3 pmol/L (1.08 pg/mL)
Sample Type	Serum(Human, rat and mouse) Plasma(Human, rat and mouse) Cell culture supernatants
Sample volume	10µL
Assay time	About 20 hour

Standard curve



Product information

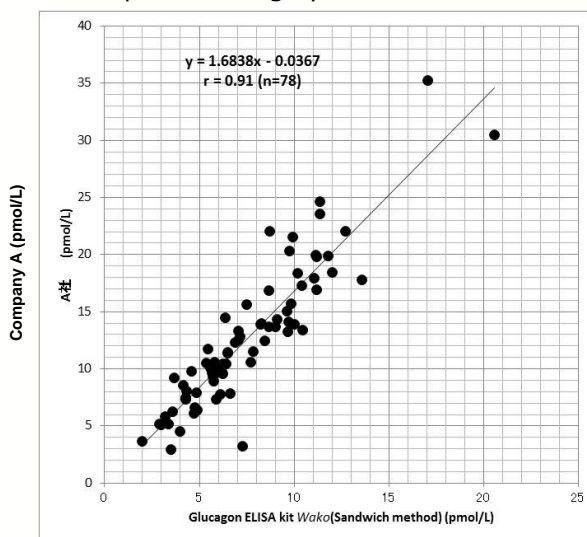
Product Name	Wako Cat. No.	Pkg. Size	Grade	Storage condition
Glucagon ELISA Kit <i>Wako</i> (Sandwich method)	292-80001	96 tests	For diabetes research	Keep at 2-10°C

Related products

Product Name	Wako Cat. No.	Standard curve range	Pkg. size	Grade	Storage condition
Active GLP-1 ELISA Kit <i>Wako</i> , Chemiluminescent	293-79301	0.12-30pmol/L	96 tests	For diabetes research	Keep at 2-10°C
GLP-1 ELISA kit <i>Wako</i> , High Sensitive	299-75501	0.96-30pmol/L	96 tests	For diabetes research	Keep at 2-10°C
LBIS GLP-1(active) ELISA Kit	637-15129	1.56~50 pg/mL	96 tests	For diabetes research	Keep at 2-10°C
Mouse/Rat PYY ELISA Kit <i>Wako</i>	291-73501	0.15-12.5ng/mL	96 tests	For obesity research	Keep at 2-10°C
Mouse GIP(Active) ELISA Kit <i>Wako</i>	299-73801	7.8-500pg/mL	96 tests	For diabetes research	Keep at 2-10°C
Rat GLP-2 ELISA Kit <i>Wako</i>	292-60601	0.137-100ng/mL	96 tests	For diabetes research	Keep at 2-10°C
LBIS C-Peptide-Mouse (U type)	635-07239	46.9~3000 pg/mL	96 tests	For diabetes research	Keep at 2-10°C
LBIS C-Peptide Rat (U type)	633-07279	46.9~3000 pg/mL	96 tests	For diabetes research	Keep at 2-10°C

Correlation with competitor's products

Wako's products highly correlated with competitor's.



Sample : Human serum (n=78)
Assayed according to the instruction manuals.

Listed products are intended for laboratory research use only, and not to be used for drug, food or human use. / Please visit FUJIFILM Wako Laboratory Chemicals site: <https://labchem-wako.fujifilm.com/> / This leaflet may contain products that cannot be exported to your country due to regulations. / Bulk quote requests for some products are welcomed. Please contact us.

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