



Glucagon EIA Kit

For determination of Rat, Mouse or Human Glucagon

Cat# YII-YK090-EX

According to many studies on glucagon immunoassay, it has been established that the antibody against the C - terminal fragment (19 – 29) of glucagon has specific binding with pancreatic glucagon, whereas the antibody against the N - terminal fragment (9 – 19) of glucagon has specific binding with both of pancreatic and intestinal glucagon (total glucagon). Once, 30K by Unger et. al had been widely used as an antibody specific for the C - terminal fragment of glucagon, but Nishino, Shima and Yanaihara et. al succeeded in producing pancreatic glucagon specific antibody using synthetic peptide with the C – terminal fragment (19 – 29) of glucagon as immunogen in 1981.

This EIA kit has been developed by using polyclonal antibody against glucagon (19 – 29), synthetic glucagon as standard antigen and biotinylated glucagon as labeled antigen for the measurement of rat, mouse or human glucagon in plasma.

Composition

- | | |
|------------------------------------|-------------------|
| 1. Antibody coated plate | 1plate (96 wells) |
| 2. Glucagon standard | 1vial |
| 3. Labeled antigen | 1vial |
| 4. SA-HRP solution | 1bottle |
| 5. Substrate buffer | 1 bottle |
| 6. OPD tablet | 2 tablets |
| 7. Stopping solution | 1 bottle |
| 8. Buffer solution(A) | 1 bottle |
| 9. Buffer solution(B) | 1 bottle |
| 10. Washing solution(concentrated) | 1 bottle |
| 11. Adhesive foil | 4 sheets |

Store at 2 to 8 °C

Shelf life: 12 month



- Assay range: 50 – 10,000 pg/mL
- For 41 test samples in duplicate
- Test sample: Plasma sample
- Microplate: divisible
- Test sample volume: 100µL(50µL)
- Test duration:
 - 20 –24 hours+1.5hours(100µL)
 - 44 –48 hours+1.5hours(50µL)

Cat#	Description	Assay range	Assay sample volume	Assay time	Price
YII-YK090-EX	Glucagon EIA Kit (Use for Rat/Human/Mouse Glucagon) (Pancreatic glucagon specific)	50-10000 pg/ml	100 µL (or 50 µL) (Plasma, Urine)	100 µL 20-24hr+1.5hr 50 µL 44-48hr+1.5hr	¥76000 \$ 724 € 585



Glucagon Related Products [Kit]

Cat#	Description	Assay range	Assay sample volume	Assay time	Price
YII-YK111-EX	Rat Glicentin EIA kit	206-50,000 pmol/ml	30 μ L (Plasma)	16-18hr + 1.5hr	¥76000 \$ 724 € 585
YII-YK160-EX	GLP-1 EIA Kit (Use for Rat/Human/Mouse GLP-1)	206-50000 pg/ml	30 μ L (Plasma)	16-18hr + 1.5hr	¥76000 \$ 724 € 585
YII-YK141-EX	Human GLP-2 EIA Kit (Gulicagon Like Peptide-1 EIA kit)	0.137-100 ng/ml	25 μ L (Plasma)	16-18hr + 1.5hr	¥76000 \$ 724 € 585
YII-YK140-EX	Rat GLP-2 EIA kit (Gulicagon Like Peptide-1 EIA kit)	0.137-100 ng/ml	25 μ L (Plasma, Urine)	16-18hr + 1.5hr	¥76000 \$ 724 € 585
YII-YK142-EX	Mouse GLP-2 EIA kit (Gulicagon Like Peptide-1 EIA kit)	0.412-100 ng/ml	25 μ L (Plasma, Urine)	16-18hr + 1.5hr	¥76000 \$ 724 € 585

Glucagon Related Products [antibody]

Cat#	Antigen	Host	Quantity	Price
YII-YP040-EX	Total Glucagon	Rabbit	50 μ L	¥40000 / \$381 / € 308
YII-Y320-EX	GLP-1(7-36)-NH2 (Human)	Rabbit	50 μ L	¥35000 / \$334 / € 270
YII-Y321-EX	GLP-2 (14-33) (Rat)	Rabbit	50 μ L	¥35000 / \$334 / € 270
YII-Y322-EX	GLP-2 (Rat)	Rabbit	50 μ L	¥35000 / \$334 / € 270
YII-Y323-EX	GLP-2 (Mouse)	Rabbit	50 μ L	¥35000 / \$334 / € 270
YII-Y324-EX	Glicentin(1-32) (Rat)	Rabbit	50 μ L	¥35000 / \$334 / € 270

Distributor



COSMO BIO CO., LTD.
Inspiration for Life Science

TOYO EKIMAE BLDG. 2-20, TOYO 2CHOME
KOTO-KU, TOKYO 135-0016, JAPAN
TEL : +81-3-5632-9617
FAX : +81-3-5632-9618
URL : <http://www.cosmobio.co.jp/>
e-mail : export@cosmobio.co.jp

Manufacturer



2480-1 Awakura, Fujinomiya-shi,
Shizuoka 418-0011, JAPAN
Phone: +81-544-22-2771
Fax: +81-544-22-2770
URL : www.yanaihara.co.jp
E-mail : ask@yanaihara.co.jp