



Glucagon Like Peptide-1 EIA Kit

Cat#YII-YK160-EX

GLP-1 is a peptide hormone from the intestinal mucosa, which is produced from its precursor, proglucagon by post transnational processing. The mammalian proglucagon is synthesized in the neuroendocrine L-cell of the intestine and the alpha-cells of the pancreas. It contains within its structure the sequences of glucagon and two glucagon-like peptides (GLP-1 and GLP-2) in tandem flanked at their amino and carboxyl termini by dibasic residues. GLP-1 is a 37 amino acids peptide and produced in the small intestine and in the pancreas in the human, in either C-terminal-amidated on glycine-extended form. GLP1 (7-36) amide and its receptor are present in several brain regions and may play a role in the physiological control of feeding. Several reports have been presented as follows as to the biological activities of GLP-1. GLP-1 (7-37) and (7-36) amide is known as one of the most potent insulin secretagogues.

Yanaihara Institute Inc. developed a quantitative EIA kit with high specificity and sensitivity (detection limit 0.206ng/mL) for rat/mouse/human GLP-1 (YK160) as a useful tool for these necessities

YK160 GLP-1 EIA Kit	Contents
<ul style="list-style-type: none"> ▼ The assay kit can measure Rat, Mouse&Human GLP-1 in the range of 0.206 - 50 ng/mL. ▼ The assay completes within 16-18 hr. + 1.5 hr. ▼ With one assay kit, 41 samples can be measured in duplicate. ▼ Test sample: plasma (rat/mouse/human) Sample volume: 30 µL ▼ The 96-well plate in kit was consisted by 8-wells strips. The kit can be used separately. ▼ Precision and reproducibility (Rat plasma) Intra-assay CV(%) 5.36 - 6.60 Inter-assay CV(%) 5.51 -18.87 (Human plasma) Intra-assay CV(%) 4.69 -10.67 Inter-assay CV(%) 9.63 - 17.57 ▼ Stability and Storage Store all of the components at 2-8 . 12 months from the date of manufacturing. The expiry date is described on the label of kit. 	<ol style="list-style-type: none"> 1) Antibody coated plate 2) GLP-1 standard 3) Labeled antigen 4) GLP-1 antibody 5) SA-HRP 6) Diluent for SA-HRP 7) Substrate buffer 8) OPD tablet 9) Stopping solution 10) Buffer solution 11) Washing solution (concentrated) 12) Adhesive foil

< Specificity >

The EIA kit has high specificity to rat/mouse/human GLP-1 and shows cross reactivity neither rat/human/mouse glucagons, human glicentin nor rat/mouse/human GLP-2.

<Analytical recovery> Rat plasma 89.20-110.4%, Human plasma 86.0-101.7%

Cat#	Description	Assay range	Assay sample volume	Assay time	Price
YII-YK160-EX	GLP-1 EIA Kit (Use for Rat/Human/Mouse GLP-1)	206-50,000 pg-ml	30 µL (Plasma)	16-18hr + 1.5hr	¥76000 \$ 724 € 585

Glucagon Related Products [Kit]

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 μ L (or 50 μ L) (Plasma, Urine)	100 μ L 20-24 hr + 1.5hr 50 μ L 44-48 hr + 1.5hr	¥76000 \$ 724 € 585
YII-YK111-EX	Rat Glicentin EIA kit	206-50,000 pmol/ml	30 μ L (Plasma)	16-18 hr + 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)	16-18 hr + 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)	16-18 hr + 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)	16-18 hr + 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



株式会社
矢野原研究所
Yanaihara Institute Inc.
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