

実験動物用測定キットシリーズ

a. インスリン測定キットシリーズ

<マウス血漿>

1. Yoshiko Kanezaki, Yousuke Ebina et al., “K_{ATP} Channel Knockout Mice Crossbred with Transgenic Mice Expressing a Dominant-negative Form of Human Insulin Receptor Have Glucose Intolerance but not Diabetes”, *Endocrine Journal*, Vol. 51, 2004, pp. 133-144
2. Hiroshi Iwakura, Kazuwa Nakao et al., “Analysis of Rat Insulin II Promoter-Ghrelin Transgenic Mice and Rat Glucagon Promoter-Ghrelin Transgenic Mice”, *The Journal of Biological Chemistry*, Vol. 280, 2005, pp. 15247-15256
3. Katsuya Dezaki, Toshihiko Yada et al., “Blockade of Pancreatic Islet-Derived Ghrelin Enhances Insulin Secretion to Prevent High-Fat Diet-Induced Glucose Intolerance”, *Diabetes*, Vol. 55, 2006, pp. 3486-3493
4. Shigeru Nakano, Kazuwa Nakao et al., “Bezafibrate regulates the expression and enzyme activity of 11 β -hydroxysteroid dehydrogenase type1 in murine adipose tissue and 3T3-L1 adipocytes”, *Am J Physiol Endocrinol Metab*, Vol. 292, 2007, pp. E1213-E1222
5. Kae Nagasumi, Yoshihiko Kaisho et al., “Overexpression of GPR40 in Pancreatic β -Cells Augments Glucose-Stimulated Insulin Secretion and Improve Glucose Tolerance in Normal and Diabetic Mice”, *Diabetes*, Vol. 58, 2009, pp. 1067-1076
6. Yukiko Kanda, Kohei Kaku et al., “Molecular Analysis of *db* Gene-related Pancreatic β Cell Dysfunction: Evidence for a Compensatory Mechanism Inhibiting Development of Diabetes in the *db* Gene Heterozygote”, *Endocrine Journal*, Vol. 56, 2009, pp. 997-1008
7. Akira Shimotoyodome, Tadashi Hase et al., “Coingestion of Acylglycerols Differentially Affects Glucose-Induced Insulin Secretion via Glucose-Dependent Insulinotropic Polypeptide in C57BL/6J Mice”, *Endocrinology*, Vol. 150, 2009, pp. 2118-2126
8. X. Rong, K. Nakao et al., “An Adipose Tissue-Independent Insulin-Sensitizing Action of Telmisartan: a Study in Lipodystrophic Mice”, *The Journal of Pharmacology and Experimental Therapeutics*, Vol. 331, 2009, pp. 1096-1103
9. Goji Hasegawa, Akihito Ishigami et al., “Senescence Marker Protein-30/Gluconolactonase Deletion Worsens Glucose Tolerance through Impairment of Acute Insulin Secretion”, *Endocrinology*, Vol. 151, 2010, pp. 529-536

10. Taku Uemura, Teruo Kawada et al., “Diosgenin present in fenugreek improves glucose metabolism by promoting adipocyte differentiation and inhibiting inflammation in adipose tissues”, *Mol. Nutr. Food Res.*, Vol. 54, 2010, pp. 1596-1608
11. Yasushi Fujitani, Teruo Kawada et al., “Pronounced adipogenesis and increased insulin sensitivity caused by overproduction of prostaglandin D₂ *in vivo*”, *The FEBS Journal*, Vol. 277, 2010, pp. 1410-1419
12. Nobuyuki Takahashi, Teruo Kawada et al., “Auraptene regulates gene expression involved in lipid metabolism through PPAR α activation in diabetic obese mice”, *Mol. Nutr. Food Res.*, Vol. 55, 2011, pp. 1791-1797
13. Min-Sook Kang, Teruo Kawada et al., “Dehydroabietic acid, a diterpene, improves diabetes and hyperlipidemia in obese diabetic KK-Ay mice”, *BioFactors*, 2012, pp. 442-448
14. Young-il Kim, Teruo Kawada et al., “Potent PPAR α Activator Derived from Tomato Juice, 13-oxo-9, 11-Octadecadienoic Acid, Decreases Plasma and Hepatic Triglyceride in Obese Diabetic Mice”, *PLoS ONE*, Vol. 7, 2012, e31317

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1. Masanari Matsumoto, Susumu Seino et al., “Noc2 is essential in normal regulation of exocytosis in endocrine and exocrine cells”, *PNAS*, Vol. 101, 2004, pp. 8313-8318
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3. Hidehiko Kondo, Takatoshi Murase et al., “Differential regulation of intestinal lipid metabolism-related genes in obesity-resistant A/J vs. obesity-prone C57BL/6J mice”, *Am J Physiol Endocrinol Metab*, Vol. 291, 2006, pp. E1092-E1099
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7. Tsutomu Wada, Toshiyasu Sasaoka et al., “Spironolactone improves Glucose and Lipid Metabolism by Ameliorating Hepatic Steatosis and Inflammation and Suppressing Enhanced

Gluconeogenesis Induced by High-Fat and High-Fructose Diet”, *Endocrinology*, Vol. 151, 2010, pp. 2040-2049

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9. Yoko Suzuki, Toshimasa Osaka et al., “Cell proliferation in visceral organs induced by ventromedial hypothalamic (VMH) lesions: Development of electrical VMH lesions in mice and resulting pathophysiological profiles”, *Endocrine Journal*, Vol. 58, 2011, pp. 247-256

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1. Hiroshi Iwakura, Kazuwa Nakao et al., “Analysis of Rat Insulin II Promoter-Ghrelin Transgenic Mice and Rat Glucagon Promoter-Ghrelin Transgenic Mice”, *The Journal of Biological Chemistry*, Vol. 280, 2005, pp. 15247-15256
2. Katsuya Dezaki, Toshihiko Yada et al. “Blockade of Pancreatic Islet-Derived Ghrelin Enhances Insulin Secretion to Prevent High-Fat Diet-Induced Glucose Intolerance”, *Diabetes*, Vol. 55, 2006, pp. 3486-3493
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1. Yasutaka Shimizu, Keiichi Tonosaki et al., “Enhanced Responses of the Chorda Tympani Nerve to Sugars in the Ventromedial Hypothalamic Obese Rat”, *J Neurophysiol*, Vol. 90, 2003, pp. 128-133
2. Yayoi Taniguchi, Tetsunori Saikawa et al., “Pioglitazone but Not Glibenclamide Improves Cardiac Expression of Heat Shock Protein 72 and Tolerance Against Ischemia/Reperfusion Injury in the Hereditary Insulin-Resistant Rat”, *Diabetes*, Vol. 55, 2006, pp. 2371-2378
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4. Kazusa Sato, Eiji Takeda et al., "Dietary Palatinose and Oleic Acid Ameliorate Disorders of Glucose and Lipid Metabolism in Zucker Fatty Rats", *The Journal of Nutrition*, 137, 2007, 1908-1915
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6. Yasushi Kirino, Yutaka Nakahori et al., "Interrelationship of dipeptidyl peptidase IV (DPP4) with the development of diabetes, dyslipidaemia and nephropathy: a streptozotocin-induced model using wild-type and DPP4-deficient rats", *Journal of Endocrinology*, Vol. 200, 2009, pp. 53-61

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1. Kayoko Motojima, Hirotaka Watada et al., "Repetitive Postprandial Hypertriglyceridemia Induces Monocyte Adhesion to Aortic Endothelial Cells in Goto-Kakizaki Rats", *Endocrine Journal*, Vol. 55, 2008, pp. 373-379

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1. Ken Fujiwara, Toshihiko Yada et al., "Oleic Acid Glucose-Independently Stimulates Glucagon Secretion by Increasing Cytoplasmic Ca^{2+} via Endoplasmic Reticulum Ca^{2+} Release and Ca^{2+} Influx in the Rat Islet α -Cells", *Endocrinology*, Vol. 148, 2007, pp. 2496-2504
2. Yasushi Kirino, Yutaka Nakahori et al., "Interrelationship of dipeptidyl peptidase IV (DPP4) with the development of diabetes, dyslipidaemia and nephropathy: a streptozotocin-induced model using wild-type and DPP4-deficient rats", *Journal of Endocrinology*, Vol. 200, 2009, pp. 53-61

<INS-1>

1. Yoshifumi Saisho, Hiroshi Itoh et al., "Effects of DHMEQ, a Novel Nuclear Factor- κ B inhibitor, on Beta Cell Dysfunction in INS-1 Cells", *Endocrine Journal*, Vol. 55, 2008, pp. 433-438

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<HIT-15>

1. Yoshihiro Kawamura, Shiro Maeda et al., "Overexpression of Kruppel-Like Factor 7 Regulates Adipocytokine Gene Expressions in Human Adipocytes and Inhibits Glucose-Induced Insulin Secretion in Pancreatic β -Cell Line" *Molecular Endocrinology*, Vol. 20, 2006, pp. 844-856

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1. Taka-aki Matsuoka, Yoshimitsu Yamasaki et al., "MafA Regulates Expression of Genes Important to Islet β -Cell Function", *Molecular Endocrinology*, Vol. 21, 2007, pp. 2764-2774

b. レプチン測定キットシリーズ

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1. Fumihiko Maekawa, Hiroko Ohki-Hamazaki et al., "Leptin Resistance and Enhancement of Feeding Facilitation by Melanin-Concentrating Hormone in Mice Lacking Bombesin Receptor Subtype-3", *Diabetes*, Vol. 53, 2004, pp. 570-576
2. Yoshiko Kanezaki, Yousuke Ebina et al., " K_{ATP} Channel Knockout Mice Crossbred with Transgenic Mice Expressing a Dominant-negative Form of Human Insulin Receptor Have Glucose Intolerance but not Diabetes", *Endocrine Journal*, Vol. 51, 2004, pp. 133-144
3. Shigeru Nakano, Kazuwa Nakao et al., "Bezafibrate regulates the expression and enzyme activity of 11 β -hydroxysteroid dehydrogenase type1 in murine adipose tissue and 3T3-L1 adipocytes", *Am J Physiol Endocrinol Metab*, Vol. 292, 2007, pp. E1213-E1222
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5. Masao Sato, Shinya Suzuki et al., "Development of high-fat-diet-induced obesity in female metallothionein-null mice", *The FASEB Journal*, Vol. 24, 2010, pp. 2375-2384
6. Yasushi Fujitani, Teruo Kawada et al., "Pronounced adipogenesis and increased insulin sensitivity caused by overproduction of prostaglandin D₂ *in vivo*", *The FEBS Journal*, Vol. 277, 2010, pp. 1410-1419
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1. Keiko Arai, Tamotsu Shibasaki et al., “Nicotine infusion alters leptin and uncoupling protein 1 mRNA expression in adipose tissues of rats”, *Am J Physiol Endocrinol Metab*, Vol. 280, 2001, pp. E867-876
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