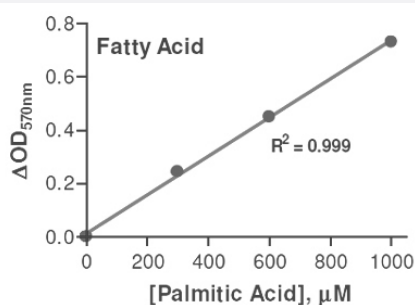


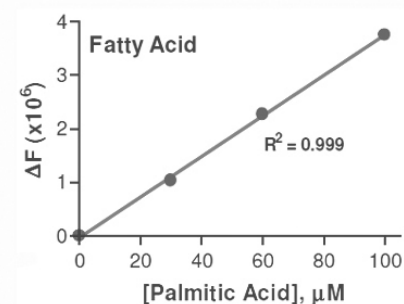
Free Fatty Acid Assay Kit

Catalog # KA1667 Size 1 Kit

Applications



96-well colorimetric assay



96-well fluorimetric assay

The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	Free Fatty Acid Assay Kit is a quantitative colorimetric/fluorimetric fatty acid determination.
Suitable Sample	Cell Culture, Food Sample, Milk, Plasma, Saliva, Serum, Urine
Sample Volume	10 μL
Detection Method	Colorimetric, Fluorometric
Assay Type	Quantitative
Calibration Range	Colorimetric Assay: 7 to 1000 μM , Fluorimetric Assay: 7 to 100 μM
Regulation Status	For research use only (RUO)

Quality Control Testing**Standard Curve**

The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Storage Instruction

Store the kit at -20°C.

Applications

- Functional Study

Publication Reference

- [Celastrol alleviates high-fat diet-induced obesity via enhanced muscle glucose utilization and mitochondrial oxidative metabolism-mediated upregulation of pyruvate dehydrogenase complex.](#)

Mohamad Hafizi Abu Bakar, Nor Shafiqah Nor Shahril, Mohamad Shamil Faris Mohamad Khalid, Sharifah Mohammad, Khairul Anuar Shariff, Thiruvethan Karunakaran, Rabeta Mohd Salleh, Mohamad Norisham Mohamad Rosdi.

Toxicology and Applied Pharmacology 2022 Aug; 449:116099.

Application: Quant, Mouse, Serum

- [Pharmacological agents targeting autophagy and their effects on lipolysis in human adipocytes.](#)

Qing Xu, Edwin Cm Mariman, Ellen E Blaak, Johan We Jocken.

Molecular and Cellular Endocrinology 2022 Mar; 544:111555.

Application: Quan, Human, Human adipocyte

- [Reprogramming of glucocorticoid receptor function by hypoxia.](#)

Tineke Vanderhaeghen, Steven Timmermans, Deepika Watts, Ville Paakinaho, Melanie Eggermont, Jolien Vandewalle, Charlotte Wallaey, Lise Van Wyngene, Kelly Van Looveren, Louise Nuytens, Sylviane Dewaele, Joke Vanden Berghe, Kelly Lemeire, Joey De Backer, Laura Dirx, Wim Vanden Berghe, Guy Caljon, Bart Ghesquière, Karolien De Bosscher, Ben Wielockx, Jorma J Palvimo, Rudi Beyaert, Claude Libert.

EMBO reports 2022 Jan; 23(1):e53083.

Application: Quant, Mouse, Mouse plasma

- [A20 deficiency in myeloid cells protects mice from diet-induced obesity and insulin resistance due to increased fatty acid metabolism.](#)

Leen Catrysse, Bastiaan Maes, Parul Mehrotra, Arne Martens, Esther Hoste, Liesbet Martens, Christian Maueröder, Anneleen Remmerie, Anna Bujko, Karolina Slowicka, Mozes Sze, Hanna Vikkula, Bart Ghesquière, Charlotte L Scott, Yvan Saeys, Bart van de Sluis, Kodi Ravichandran, Sophie Janssens, Geert van Loo.

Cell Reports 2021 Sep; 36(12):109748.

Application: Quant, Mouse, Serum

- [ZBTB32 performs crosstalk with the glucocorticoid receptor and is crucial in glucocorticoid responses to starvation.](#)

Lise Van Wyngene, Tineke Vanderhaeghen, Ioanna Petta, Steven Timmermans, Katrien Corbeels, Bart Van der Schueren, Jolien Vandewalle, Kelly Van Looveren, Charlotte Wallaey, Melanie Eggermont, Sylviane Dewaele, Leen Catrysse, Geert van Loo, Rudi Beyaert, Roman Vangoitsenhoven, Toshinori Nakayama, Jan Tavernier, Karolien De Bosscher, Claude Libert.

iScience 2021 Jun; 24(7):102790.

Application: Quant, Mouse, Mouse plasma

- [Hepatic PPAR \$\alpha\$ function and lipid metabolic pathways are dysregulated in polymicrobial sepsis.](#)

Van Wyngene L, Vanderhaeghen T, Timmermans S, Vandewalle J, Van Looveren K, Souffriau J, Wallaey C, Eggermont M, Ernst S, Van Hamme E, Gonçalves A, Eelen G, Remmerie A, Scott CL, Rombouts C, Vanhaecke L, De Bus L, Decruyenaere J, Carmeliet P, Libert C.

EMBO Molecular Medicine 2020 Feb; 12(2):e11319.

Application: Quant, Human, Human plasma

- [Does structure affect biological function? Modifications to the protein and phospholipids fraction of the milk fat globule membrane after extraction affect the antiproliferative activity of colon cancer cells.](#)

Zanabria R, Griffiths MW, Corredig M.

Journal of Food Biochemistry 2019 Dec; 44(2):e13104.

Application: Func, Milk

- [Methionine Restriction Extends Lifespan in Progeroid Mice and Alters Lipid and Bile Acid Metabolism.](#)

Bárcena C, Quirós PM, Durand S, Mayoral P, Rodríguez F, Caravia XM, Mariño G, Garabaya C, Fernández-García MT, Kroemer G, Freije JMP, López-Otín C.

Cell Reports 2018 Aug; 24(9):2392.

Application: Func, Mouse, Serum