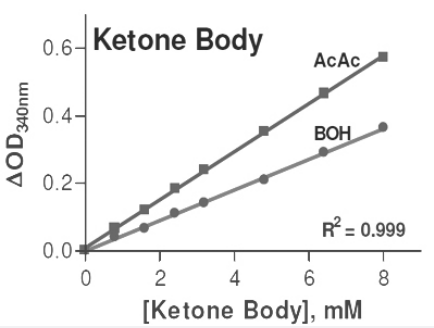
Ketone Body Assay Kit

Catalog # KA1630 Size 1 Kit

Applications



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	Ketone Body Assay Kit is a quantitative colorimetric determination of ketone body at 340 nm.
Suitable Sample	Plasma, Serum, Urine and other biological samples
Sample Volume	10 uL
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.12 to 8 mM
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -20°C.

Applications

- Functional Study

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Publication Reference

- Ketogenic diet-produced β-hydroxybutyric acid accumulates brain GABA and increases GABA/glutamate ratio to inhibit epilepsy.

  Ya-Nan Qiao, Lei Li, Song-Hua Hu, Yuan-Xin Yang, Zhen-Zhen Ma, Lin Huang, Yan-Peng An, Yi-Yuan Yuan, Yan Lin, Wei Xu, Yao Li, Peng-Cheng Lin, Jing Cao, Jian-Yuan Zhao, Shi-Min Zhao.

  Cell Discovery 2024 Feb; 10(1):17.

  Application: Quant, Mice, Mice serum, brain

- TANK-Binding Kinase 1 Regulates the Localization of Acyl-CoA Synthetase ACSL1 to Control Hepatic Fatty Acid Oxidation.

  Jin Young Huh, Shannon M Reilly, Mohammad Abu-Odeh, Anne N Murphy, Sushil K Mahata, Jinyu Zhang, Yoori Cho, Jong Bae Seo, Chao-Wei Hung, Courtney R Green, Christian M Metallo, Alan R Saltiel.

  Cell Metabolism 2020 Dec; 32(6):1012.

  Application: Func, Mouse, Mouse serum

- SENP1-Sirt3 Signaling Controls Mitochondrial Protein Acetylation and Metabolism.

  Wang T, Cao Y, Zheng Q, Tu J, Zhou W, He J, Zhong J, Chen Y, Wang J, Cai R, Zuo Y, Wei B, Fan Q, Yang J, Wu Y, Yi J, Li D, Liu M, Wang C, Zhou A, Li Y, Wu X, Yang W, Chin YE, Chen G, Cheng J.

  Molecular Cell 2019 Aug; 75(4):823.

  Application: Func, Human, Mouse, MEFs, SMMC7721 cells

- Prevention of Dietary-Fat-Fueled Ketogenesis Attenuates BRAF V600E Tumor Growth.

  Siyuan Xia, Ruiting Lin, Lingtao Jin, Liang Zhao, Hee-Bum Kang, Yaozhu Pan, Shuangping Liu, Guoqing Qian, Zhiyu Qian, Evmorfia Konstantakou, Baotong Zhang, Jin-Tang Dong, Young Rock Chung, Omar Abdel-Wahab, Taha Merghoub, Lu Zhou, Ragini R Kudchadkar, David H Lawson, Hanna J Khoury, Fadlo R Khuri, Lawrence H Boise, Sagar Lonial, Benjamin H Lee, Brian P Pollack, Jack L Arbiser, Jun Fan, Qun-Ying Lei, Jing Chen.

  Cell Metabolism 2017 Feb; 25(2):358.

  Application: Quant, Mouse, Mouse serum, Mouse urine

- Temporal Variation in Physiological Biomarkers in Black Flying-Foxes (Pteropus alecto), Australia.

  McMichael L, Edson D, Mayer D, McLaughlin A, Goldspink L, Vidgen ME, Kopp S, Meers J, Field H.

  EcoHealth 2016 Mar; 13(1):49.

  Application: Func, Bat, Plasma

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- Central serotonergic neurons activate and recruit thermogenic brown and beige fat and regulate glucose and lipid homeostasis.

  Jacob M McGlashon, Michelle C Gorecki, Amanda E Kozlowski, Caitlin K Thirnbeck, Kathleen R Markan, Kirstie L Leslie, Maya E Kotas, Matthew J Potthoff, George B Richerson, Matthew P Gillum.

  Cell Metabolism 2015 May; 21(5):692.

  Application: Func, Mouse, Mouse plasma

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