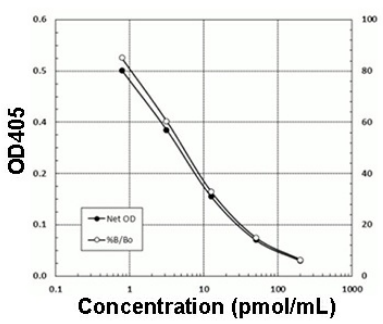
cyclic AMP Complete ELISA Kit

Catalog # KA0320 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	cyclic AMP Complete ELISA Kit is a kit for the quantitative determination of cyclic AMP in cells and tissue treated with 0.1M HCl, in addition to culture supernates, saliva, and serum.
Suitable Sample	Cell Culture Supernatant, Cell Lysate, Saliva, Serum, Tissue
Sample Volume	100 uL
Label	AP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.078 to 20 pmol/mL
Limit of Detection	Assay Buffer: 0.30 pmol/mL (non-acetylated); 0.039 pmol/mL (acetylated) HCl: 0.39 pmol/mL (non-acetylated); 0.037 pmol/mL (acetylated)
Theoretical MW (kDa)	136
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.

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Storage Instruction	The standard and conjugate must be stored at -20°C; others store at 4°C.

Applications

- Quantification

Publication Reference

- Lacticaseibacillus parahuelsenbergensis THGS-36 alleviates acne-like inflammation and lipogenesis in sebocytes via CREB signaling.

  Zheng Qiwen, Yi Gyeong-Seon, Bae Chan-Il, Kim Somyeong, Nguyen Trang Thi Minh, Kim Jae-Woo, Kim Mi-Ju, Yi Tae-Hoo.

  Life Sciences 2026 May; 400:124497.

  Application: Flow Cyt, Func, IHC-P, qPCR, S-ELISA, WB-Ce, Bacteria, Human, Mouse, Human skin cells, Mouse skin tissue

- Atypical CXCL12 signaling enhances neutrophil migration by modulating nuclear deformability.

  Bianca Calì, Mathieu Deygas, Fabio Munari, Elisabetta Marcuzzi, Antonino Cassará, Lara Toffali, Massimo Vetralla, Mathilde Bernard, Matthieu Piel, Onelia Gagliano, Marta Mastrogiovanni, Carlo Laudanna, Nicola Elvassore, Barbara Molon, Pablo Vargas, Antonella Viola.

  Science Signaling 2022 Nov; 15(761):eabk2552.

  Application: Quant, Mouse, Mouse neutrophils

- The mitochondrial protein Opa1 promotes adipocyte browning that is dependent on urea cycle metabolites.

  Camilla Bean, Matteo Audano, Tatiana Varanita, Francesca Favaretto, Marta Medaglia, Marco Gerdol, Lena Pernas, Fabio Stasi, Marta Giacomello, Stèphanie Herkenne, Maheswary Muniandy, Sini Heinonen, Emma Cazaly, Miina Ollikainen, Gabriella Milan, Alberto Pallavicini, Kirsi H. Pietiläinen, Roberto Vettor, Nico Mitro and Luca Scorrano.

  Nature Metabolism 2021 Dec; 3(12):1633.

  Application: ELISA, Mouse, Mouse adipose

- Cholesterol Activates Cyclic AMP Signaling in Metaplastic Acinar Cells.

  Francesca Grisan, Martina Spacci, Carlotta Paoli, Andrea Costamagna, Marco Fantuz, Miriam Martini, Konstantinos Lefkimmiatis, Alessandro Carrer.

  Metabolites 2021 Feb; 11(3):141.

  Application: Quant, Mouse, Mouse primary acinar cells

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- Arylpiperazine agonists of the serotonin 5-HT1A receptor preferentially activate cAMP signaling versus recruitment of β-arrestin-2.

  Stroth N, Niso M, Colabufo NA, Perrone R, Svenningsson P, Lacivita E, Leopoldo M.

  Bioorganic & Medicinal Chemistry 2015 Aug; 23(15):4824.

  Application: ELISA, Hamster, Cell lysates from CHO-1A cells

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