Cortisol ELISA Kit

Catalog # KA1885 Size 1 Kit

Specification

Product Description	Cortisol ELISA Kit is an enzyme immunoassay for the quantitative determination of Cortisol in human saliva.
Suitable Sample	Saliva
Sample Volume	50 uL
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.1 to 30 ng/mL
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Publication Reference

- Anxiety-related platform in zebrafish (Danio rerio) larvae: An integrated analysis of behavioural and molecular assay in drug screening research.

  Małgorzata Potoczna, Natalia Kasica, Małgorzata Chmielewska-Krzesińska, Joanna Dybalska-Szczepanek, Krzysztof Wąsowicz, Ewa Sokołowska, Piotr Podlasz

  Biomed Pharmacother 2026 8; 2010:119680.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Association of prenatal alcohol exposure and prenatal depressive symptoms with offspring hair cortisol in childhood and adolescence.

  Anne-Christine Plank, Kerstin Panaseth-Gehle, Jennifer Gerlach, Stefan Mestermann, Peter A Fasching, Matthias W Beckmann, Oliver Kratz, Gunther H Moll, Bernd Lenz, Johannes Kornhuber, Anna Eichler; IMAC-Mind Konsortium.

  BMC Psychiatry 2025 Nov; 25(1):1060.

  Application: ELISA, Quant, Human, Hair

- Cortisol and β-Endorphin Responses During a Two-Month Exercise Training Program in Patients with an Opioid Use Disorder and on a Substitution Treatment.

  Alexandros E Psarianos., Anastassios Philippou., Argyro Papadopetraki., Eirini Chatzinikita., Costas Chryssanthopoulos., Apostolos Theos., Athanasios Theocharis., Chara Tzavara., Thomas Paparrigopoulos.

  International journal of molecular sciences 2025 May; 26(11):5178.

  Application: ELISA, Human, Saliva

- Prevalence, Symptom Profiles, and Correlates of Mixed Anxiety-Depression in Male and Female Autistic Youth.

  Vicki Bitsika, Christopher F Sharpley, Kirstan A Vessey, Ian D Evans

  NeuroSci 2024 Sep; 5(3):315-327.

- Changes in salivary biomarkers of burning mouth syndrome patients after clonazepam treatment.

  Sungil Jang, Ji-Eun Kim, Young-Hee Lee, Won Jung

  J Oral Facial Pain Headache 2024 Jun; 38(2):111-118.

- Long-Term Effects of Child Early Surgical Ventricular Septal Defect Repair on Maternal Stress.

  Jennifer Gerlach, Elena S Decker, Anne-Christine Plank, Stefan Mestermann, Ariawan Purbojo, Robert A Cesnjevar, Oliver Kratz, Anna Eichler.

  Children (Basel, Switzerland) 2023 Nov; 10(12):1832.

  Application: Quant, Human, Hair

- Marine-derived Ca-Mg complex influences lipid and glucose metabolism, serum metabolites, colostrum profile, and stress hormone in sows over four-parity periods.

  Sung Bo Cho, Santi Devi Upadhaya, Woo Jeong Seok, Seyoung Mun, Haeun Lee, Rudolf H van der Veen, Kyudong Han, In Ho Kim

  J Anim Sci Technol 2023 Nov; 65(6):1308-1322.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Wearable Cortisol Aptasensor for Simple and Rapid Real-Time Monitoring.

  Jai Eun An, Kyung Ho Kim, Seon Joo Park, Sung Eun Seo, Jinyeong Kim, Siyoung Ha, Joonwon Bae, Oh Seok Kwon.

  ACS Sensors 2022 Jan; 7(1):99.

  Application: ELISA, Human, human sweat

- The association between prenatal alcohol consumption and preschool child stress system disturbance.

  Jennifer Grimm, Mark Stemmler, Yulia Golub, Eva Schwenke, Tamme W Goecke, Peter A Fasching, Matthias W Beckmann, Oliver Kratz, Gunther H Moll, Johannes Kornhuber, Anna Eichler.

  Developmental Psychobiology 2021 May; 63(4):687.

  Application: Quant, Human, Children hair

- The association between cortisol:C-reactive protein ratio and depressive fatigue is a function of CRP rather than cortisol.

  Christopher F Sharpley, Vicki Bitsika, Mary E McMillan, Emmanuel Jesulola, Linda L Agnew

  Neuropsychiatr Dis Treat 2019 Nov; 15:2467-2475.

- Polystyrene nanoplastics disrupt glucose metabolism and cortisol levels with a possible link to behavioural changes in larval zebrafish.

  Brun NR, van Hage P, Hunting ER, Haramis AG, Vink SC, Vijver MG, Schaaf MJM, Tudorache C.

  Communications Biology 2019 Oct; 2:382.

  Application: ELISA, Zebrafish, Larvae extracted

- Dyadic coping and the cortisol:CRP ratio: How marital stress influences physiological state.

  Sharpley CF, Bitsika V, McMillan ME, Jesulola E, Agnew LL.

  Physiology & Behavior 2019 Aug; 211:112669.

  Application: Quant, Human, Human saliva

- Salivary and hair cortisol as biomarkers of emotional and behavioral symptoms in 6-9 year old children.

  Golub Y, Kuitunen-Paul S, Panaseth K, Stonawski V, Frey S, Steigleder R, Grimm J, Goecke TW, Fasching PA, Beckmann MW, Kornhuber J, Kratz O, Heinrich H, Moll GH, Eichler A.

  Physiology & Behavior 2019 Oct; 209:112584.

  Application: Quant, Human, Hair, Saliva

- Background cortisol versus social anxiety as correlates of HPA-axis recovery from stress in boys with Autism Spectrum Disorder.

  Bitsika V, Sharpley CF, McMillan ME, Agnew LL.

  International Journal of Developmental Neuroscience 2018 Aug; 71:52.

  Application: ELISA, Human, Saliva

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Comparing a genetic and a psychological factor as correlates of anxiety, depression, and chronic stress in men with prostate cancer.

  Sharpley CF, Christie DRH, Bitsika V, Andronicos NM, Agnew LL, Richards TM, McMillan ME.

  Supportive Care in Cancer 2018 Mar; [Epub].

  Application: ELISA, Human, Salivary

- Limitations in the inverse association between Psychological Resilience and depression in prostate cancer patients experiencing chronic physiological stress.

  Sharpley CF, Christie DRH, Bitsika V, Agnew LL, Andronicos NM, McMillan ME, Richards TM.

  Psycho-Oncology 2017 Jul; [Epub].

  Application: Quant, Human, Salivary from patients with prostate cancer

- A comparison of age, cognitive, hormonal, symptomatic and mood correlates of Aggression towards Others in boys with ASD.

  Bitsika V, Sharpley CF, Sweeney JA, Andronicos NM, Agnew LL, Arnold WM.

  Research in Developmental Disabilities 2017 Jul; 66:44.

  Application: Quant, Human, Saliva from patients with Autism Spectrum Disorder (ASD)

- Neurobiological and psychological evidence of chronic stress in prostate cancer patients.

  Sharpley CF, Christie DR, Bitsika V, Agnew LL, Andronicos NM, McMillan ME, Richards TM.

  European Journal of Cancer Care 2017 Mar; [Epub].

  Application: Quant, Human, Saliva from patients with prostate cancer

- What worries parents of a child with Autism? Evidence from a biomarker for chronic stress.

  Bitsika V, Sharpley CF, Andronicos NM, Agnew LL.

  Research in Developmental Disabilities 2017 Mar; 62:209.

  Application: Quant, Human, Saliva from patients with Autism Spectrum Disorder

- Further evidence of HPA-axis dysregulation and its correlation with depression in Autism Spectrum Disorders: Data from girls.

  Sharpley CF, Bitsika V, Andronicos NM, Agnew LL.

  Physiology & Behavior 2016 Sep; 167:110.

  Application: Quan, Human, saliva

- Prevalence, structure and correlates of anxiety-depression in boys with an autism spectrum disorder.

  Bitsika V, Sharpley CF, Andronicos NM, Agnew LL.

  Research in Developmental Disabilities 2016 Feb; 49-50:302.

  Application: Quant, Human, Saliva from patients with autism spectrum disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Social Motivation is Associated with Elevated Salivary Cortisol in Boys with an ASD.

  Vicki Bitsika, Christopher F. Sharpley, Linda L. Agnew & Nicholas M. Andronicos

  Journal of Developmental and Physical Disabilities 2015 Oct; 27:811.

  Application: ELISA, Human, Saliva

- Age-related differences in the association between stereotypic behaviour and salivary cortisol in young males with an Autism Spectrum Disorder.

  Bitsika V, Sharpley CF, Agnew LL, Andronicos NM.

  Physiology & Behavior 2015 Dec; 152(Pt A):238.

  Application: ELISA, Human, Saliva

- Eight-month test-retest agreement in morning salivary cortisol, self- and parent-rated anxiety in boys with an Autism Spectrum Disorder.

  Christopher F. Sharpley, Vicki Bitsikaa, Linda L. Agnew, Nicholas M. Andronicos.

  Physiology & Behavior 2015 Nov; 151:207.

  Application: ELISA, Human, Saliva

- Agreement Between self- vs Parent-Ratings of General Anxiety Disorder Symptoms and Salivary Cortisol in boys with an ASD.

  Vicki Bitsika, Christopher F. Sharpley, Nicholas M. Andronicos & Linda L. Agnew

  Journal of Developmental and Physical Disabilities 2015 Apr; 27:467.

  Application: ELISA, Human, Saliva

- Hypothalamus-pituitary-adrenal axis daily fluctuation, anxiety and age interact to predict cortisol concentrations in boys with an autism spectrum disorder.

  Bitsika V, Sharpley CF, Andronicos NM, Agnew LL.

  Physiology & Behavior 2015 Jan; 138:200.

  Application: ELISA, Human, Saliva

- HPA and SAM axis responses as correlates of self- vs parental ratings of anxiety in boys with an Autistic Disorder.

  Bitsika V, Sharpley CF, Sweeney JA, McFarlane JR.

  Physiology & Behavior 2014 Mar; 127:1.

  Application: ELISA, Human, Saliva

Copyright © 2023 Abnova Corporation. All Rights Reserved.