

Product Datasheet

Corticosterone ELISA Kit (Colorimetric) KA0468

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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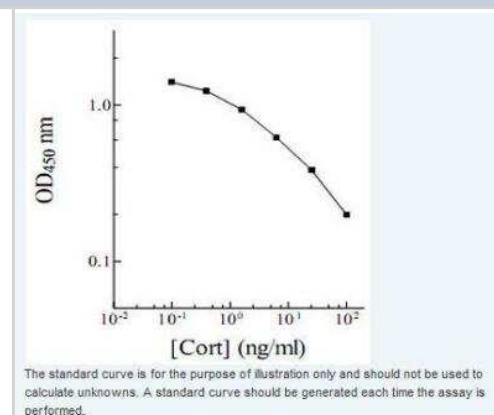


KA0468**Corticosterone ELISA Kit (Colorimetric)**

Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Description	Corticosterone ELISA Kit is a competitive enzyme immunoassay for the quantitative measurement of corticosterone.
Kit Components	Corticosterone Microplate: A polystyrene microplate coated with a polyclonal antibody against corticosterone., Sealing Tapes: Pressure-sensitive sealing tapes, that can be cut to fit the format of the individual assay, Corticosterone Standard: Corticosterone in a buffered protein base (100 ng/mL), Biotinylated Corticosterone Protein (4x): Lyophilized., EIA Diluent Concentrate (10x): A 10-fold concentrated buffered protein base., Wash Buffer Concentrate (20x): A 20-fold concentrated buffered surfactant., SP Conjugate (100x): A 100-fold concentrate., Chromogen Substrate (1x): A ready-to-use stabilized peroxidase chromogen substrate tetramethylbenzidine, Stop Solution (1x): A 0.5 N hydrochloric acid to stop the chromogen substrate reaction.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	0.391 to 100 ng/mL
Sensitivity	0.29 ng/mL
Inter Assay	CV% < 7.3%
Intra Assay	CV% < 4.8%
Assay Type	Competitive ELISA
Suitable Sample Type	Cell Culture Samples, Milk, Plasma, Saliva, Serum, Urine
Sample Volume	25 uL
Product Application Details	
Applications	ELISA, Quantification
Recommended Dilutions	ELISA, Quantification

Images

ELISA: Corticosterone ELISA Kit [Biotin] [KA0468]



Publications

Wen-Hsin L, Hsu-Wen C, Pei-Yi L et al. CPEB3-dowregulated Nr3c1 mRNA translation confers resilience to developing posttraumatic stress disorder-like behavior in fear-conditioned mice. *Neuropsychopharmacology*. 2021-05-03 [PMID: 33941859]

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Ziko I, Sominsky L, De Luca SN et al. Acylated ghrelin suppresses the cytokine response to lipopolysaccharide and does so independently of the hypothalamic-pituitary-adrenal axis. *Brain Behav Immun* 2018-07-17 [PMID: 30009998]

Reichenbach A, Stark R, Mequinion M et al. Carnitine acetyltransferase (Crat) in hunger-sensing AgRP neurons permits adaptation to calorie restriction. *FASEB J* 2018-06-22 [PMID: 29932868]

Zubeldia-Plazaola A, Recalde-Percas L, Moragas N et al. Glucocorticoids promote transition of ductal carcinoma in situ to invasive ductal carcinoma by inducing myoepithelial cell apoptosis. *Breast Cancer Res* 2018-07-04 [PMID: 29973218]

Reichenbach A, Mequinion M, Bayliss JA et al. Carnitine acetyltransferase in Agrp neurons is required for the homeostatic adaptation to restricted feeding in male mice. *Endocrinology* 2018-04-24 [PMID: 29697769]

Christiansen SL, Hoojgaard K, Wiborg O et al. Disturbed diurnal rhythm of three classical phase markers in the chronic mild stress rat model of depression. *Neuroscience Research* Mar 23 2016 12:00AM

Pitta S, Augustine BB, Kasala ER et al. Honokiol reverses depressive-like behavior and decrease in brain BDNF levels induced by chronic corticosterone injections in mice. *Pharmacognosy Journal* 2013-11-07 (ELISA, Mouse)

Hervig ME, Jensen NC, Rasmussen NB et al. Involvement of serotonin 2A receptor activation in modulating medial prefrontal cortex and amygdala neuronal activation during novelty-exposure. *Behav Brain Res* 2017-03-02 [PMID: 28263831]

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Christiansen SL, Hoojgaard K, Wiborg O, Bouzinova EV. Disturbed diurnal rhythm of three classical phase markers in the chronic mild stress rat model of depression. *Neuroscience Research* 2016-03-23 [PMID: 27033803]

Herbert J. Neurosteroids, brain damage, and mental illness. *Exp Gerontol*. 1998-11-01 [PMID: 9951618]

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Limitations

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