

ARG82125 Corticotropin Releasing Factor ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82125 Corticotropin Releasing Factor ELISA Kit is an Enzyme Immunoassay kit for the quantification of Corticotropin Releasing Factor in serum and plasma.
Tested Reactivity	Hu, Ms, Rat, Cat, Dog
Species Does Not React With	Bov, Sheep
Tested Application	ELISA
Specificity	Cross Reactivity: CRF (Human, Rat): 100% CRF (Sheep, Bovine), Prepro-CRF (125-151, Human), PACAP-38 (Human, Rat, Sheep), LH-RH, ACTH (Human), [Arg8]-Vasopressin and BNP-45 (Rat): 0%
Target Name	Corticotropin Releasing Factor
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.33 ng/ml
Detection Range	0.33 - 3.73 ng/ml
Sample Type	Serum and plasma.
Standard Range	0.01 - 100 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 15%
Alternate Names	Corticoliberin; Corticotropin-releasing hormone; CRF; CRH1; Corticotropin-releasing factor

Application Instructions

Assay Time	4 hours
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Properties

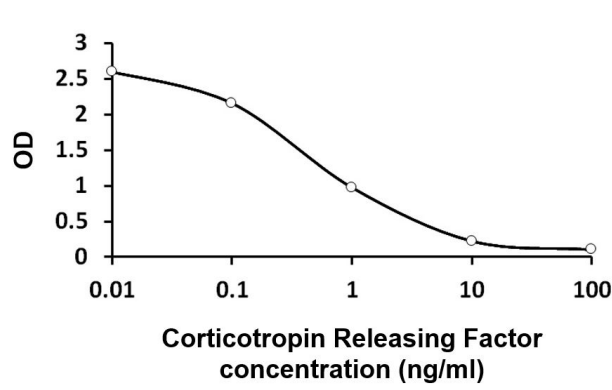
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CRH
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Gene Full Name	corticotropin releasing hormone
Background	Corticotropin-releasing hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus in response to stress. Marked reduction in this protein has been observed in association with Alzheimer disease and autosomal recessive hypothalamic corticotropin deficiency has multiple and potentially fatal metabolic consequences including hypoglycemia and hepatitis. In addition to production in the hypothalamus, this protein is also synthesized in peripheral tissues, such as T lymphocytes and is highly expressed in the placenta. In the placenta it is a marker that determines the length of gestation and the timing of parturition and delivery. A rapid increase in circulating levels of the hormone occurs at the onset of parturition, suggesting that, in addition to its metabolic functions, this protein may act as a trigger for parturition. [provided by RefSeq, Apr 2010]
Function	This hormone from hypothalamus regulates the release of corticotropin from pituitary gland. [UniProt]
Highlight	Related products: Corticotropin Releasing Factor antibodies ; Corticotropin Releasing Factor ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]

Images



ARG82125 Corticotropin Releasing Factor ELISA Kit standard curve image

ARG82125 Corticotropin Releasing Factor ELISA Kit results of a typical standard run with optical density reading at 450 nm.