Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Rabbit anti-General Cortisol mAb(CAP)

Catalog No.: RMK0182

Basic Information

Catalog No.
RMK0182

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.05%ProClin 300,PH 7.4.

Contact

order@abclonal.com

support@abclonal.com

www.abclonal.com

Background

Cortisol is a naturally occurring hormone secreted by the adrenal cortex, which is an essential part of the endocrine system. It belongs to the class of hormones known as glucocorticoids, which play a critical role in regulating various physiological processes in response to stress, hence its common nickname as the "stress hormone."In humans and most mammals (except rats), cortisol is predominantly produced in the zona fasciculata layer of the adrenal gland. The synthesis of cortisol starts from cholesterol and involves a series of enzymatic conversions under the regulation of adrenocorticotropic hormone (ACTH). Cortisol levels in circulation are typically around 400 nanomoles per liter, with the majority (approximately 96%) bound to proteins such as corticosteroid-binding globulin (CBG) and albumin, leaving only a small fraction (about 3.9%) as free cortisol, which is biologically active. Cortisol exerts significant influence on carbohydrate metabolism, promoting gluconeogenesis and increasing blood glucose levels during periods of f...

Immunogen Information

Immunogen
Recombinant Rabbit General Cortisol

Cross-Reactivity

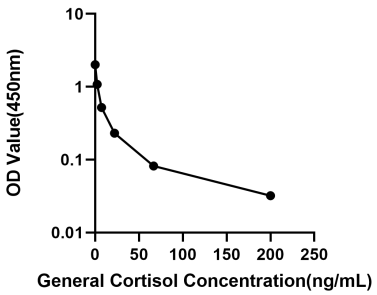
/

Assay Applications

General Cortisol Competitive ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-General Cortisol mAb(CAP)(Cat. No.RMK0182)
Standard	2.47-200ng/mL	Recombinant General Cortisol Protein

Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.