

# Rabbit anti-General Cortisol mAb(CAP)

**Catalog No.:** RMK0182

## Basic Information

**Catalog No.**  
RMK0182

**Category**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification

**Endotoxin Level**

**Storage**  
Store at -20°C. Avoid freeze / thaw cycles. Preservative 0.05%ProClin 300.  
**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 adrenocorticotrophic 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

/

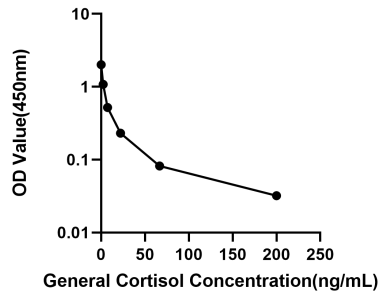
## Assay Applications

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.