



# Mouse Anti-Cortisol Monoclonal antibody, clone 9F309 (CABT-RM193)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Cortisol
<b>Target</b>	Cortisol
<b>Immunogen</b>	Cortisol-KLH
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Feline
<b>Clone</b>	9F309
<b>Purification</b>	Ion Exchange Purified,>95%
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA
<b>Format</b>	Liquid
<b>Size</b>	1 mg
<b>Buffer</b>	0.015M Potassium Phosphate Buffer, pH 7.2 with 0.85% NaCl
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Short Term: 2-8°C. Long Term: ≤-20°C. Avoid repeated freezing and thawing.
<b>Ship</b>	Cold Packs

# BACKGROUND

**Introduction**

Cortisol is a steroid hormone, in the glucocorticoid class of hormones. When used as a medication, it is known as hydrocortisone. It is produced in many animals mainly by the zona fasciculata of the adrenal cortex within the adrenal gland. It is produced in other tissues in lower quantities. It is released with a diurnal cycle and its release is increased in response to stress and low blood-glucose concentration. It functions to increase blood sugar through gluconeogenesis, to suppress the immune system, and to aid in the metabolism of fat, protein, and carbohydrates. It also decreases bone formation.

**Keywords**

Cortisol