

**BM358****Monoclonal Antibody to Cortisol - Purified****Alternate names:**

Hydrocortisone

**Quantity:**

0.2 mg

**Concentration:**

1.0 mg/ml

**Background:**

Cortisol is a glucocorticoid hormone synthesized from cholesterol by the adrenal cortex. It is released in response to pituitary adenocorticotrophic hormone (ACTH) which is, in turn, regulated by corticotrophin releasing factor (CRF). High levels of cortisol act to regulate the release of ACTH and CRF via negative feedback inhibition. The release of cortisol stimulates the conversion of proteins to carbohydrates, raises blood sugar levels and promotes glycogen storage in the liver.

**Host / Isotype:**

Mouse / IgG2

**Clone:**

BGN/C13

**Immunogen:**

Cortisol conjugated to bovine serum albumin.

**Format:****State:** Liquid purified IgG**Purification:** Affinity chromatography on Protein G**Buffer System:** PBS containing 0.09% Sodium Azide**Applications:**

ELISA.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody recognizes cortisol. The following cross reactivities were observed:

Cortisol: 100%

Prednisolone: 30%

Cortisone: 25%

Corticosterone: 10%

11-desoxycortisol: 5%

No reactivity was observed with 17-a-OH-progesterone.

**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.