

BM2618**Monoclonal Antibody to Cortisol - Purified****Alternate names:**

Hydrocortisone

Quantity:

1 mg

Concentration:

3.4 mg/ml (OD280 nm)

Background:

Cortisol is the most potent glucocorticoid produced by the human adrenal. It is synthesized from cholesterol and its production is stimulated by pituitary adrenocorticotrophic hormone (ACTH) which is regulated by corticotropin releasing factor (CRF). ACTH and CRF secretions are inhibited by high cortisol levels in a negative feedback loop. In plasma a majority of cortisol is bound with high affinity to corticosteroid binding globulin (CBG or transcortin). Cortisol acts through specific intracellular receptors and affects numerous physiologic systems including immune function, glucose counter regulation, vascular tone, and bone metabolism.

Host / Isotype:

Mouse / IgG

Clone:

BDI410

Immunogen:

Cortisol-3 CMO-BgG.

Format:**State:** Liquid purified Ig fraction**Purification:** Protein A Chromatography**Buffer System:** 0.05 M Phosphate, 0.85% Sodium Chloride, pH 7.15**Preservatives:** 0.05% Sodium Azide**Applications:**Suitable for **ELISA**.

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

Specificity:

This antibody reacts with Cortisol.

Cross Reactivity:

Corticosterone: 45%

Progesterone: 9%

Deoxycortisol: < 2%

Dexamethazone: < 2%

Estrone (E1): < 0.01%

Estriol (E3): < 0.01%

Testosterone: < 0.01%

Species: Human.

Other species not tested.

Storage:

Store 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.