

AM00684PU-N**Monoclonal Antibody to Cortisol - Purified**

Alternate names:	Hydrocortisone
Quantity:	1 mg
Concentration:	5.0 mg/ml (OD280nm, E0.1% = 1.4)
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 / IgG3
Recommended Isotype Controls:	AM03097PU-N
Clone:	CORT-2
Immunogen:	Cortisol-3 (CMO) -BSA. Hybridization of Sp2/0 myeloma cells with spleen cells from Balb/c mice. Remarks: Source: Ascites.
Format:	State: Liquid purified IgG fraction (>95% pure). Purification: Protein G Chromatography. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative
Applications:	Can be used in competitive assay of Cortisol. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Cortisol-BSA conjugate and free Cortisol. There is no cross-reactivity with BSA. <u>Cross-reactivity:</u> (50% displacement of cortisol-3-125-Iodine) Cortisol: 100% Corticosterone: 49% 17-Hydroxyprogesterone: 0%
Storage:	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.