

12-8302: Anti-Cortisol (Clone 12E7)-Purified No Carrier Protein

Clonality :	Monoclonal
Clone Name :	1.20E+08
Application :	ELISA
Isotype :	Mouse IgG k
Immunogen Information :	Cortisol-OVA

Description

Specificity: Clone 12E7 is specific for the steroid hormone cortisol.

Antigen Distribution: Cortisol is a steroid hormone that can be found in blood and other body fluids.

Background: Cortisol is a crucial steroid hormone produced by the adrenal glands that plays a vital role in regulating various bodily functions, including metabolism, immune response, and stress management. Often referred to as the "stress hormone," cortisol helps the body respond to physical and emotional stressors by increasing blood sugar, suppressing inflammation, and regulating blood pressure. Testing cortisol levels can be extremely useful in diagnosing and monitoring conditions related to adrenal gland function, such as Cushing's syndrome (characterized by excessive cortisol) or Addison's disease (characterized by insufficient cortisol). These tests, which can be conducted using blood, urine, or saliva samples, allow healthcare providers to assess whether cortisol levels are within normal ranges and follow the expected diurnal pattern of being highest in the morning and lowest around midnight. Accurate cortisol testing is essential for identifying hormonal imbalances that may contribute to a wide range of symptoms, including weight gain, fatigue, mood changes, and sleep disturbances, enabling appropriate treatment and management of adrenal-related disorders.

Product Info

Amount :	1mg / 100µg
Purification :	Purity: $\geq 90\%$ monomer by analytical SEC and SDS-Page Preparation: Concentration: ≥ 1.0 mg/ml
Content :	Formulation: This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.
Storage condition :	This antibody may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.