



Anti-Aldosterone Monoclonal antibody, clone BMEP (DMABT-49080MA)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti AldosteroneMouse Anti Aldosterone
Specificity	Cross-reactivity: Aldosterone 100%; 17a-Hydroxyprogesterone <1%; Estrone <1%; 17a-Ethynylestradiol <1%; 17B-Estradiol <1%; Estriol <1%; Testosterone <1%; Testosterone glucuronide <1%; 5a-Dihydrotestosterone <1%; Epitestosterone <1%; 6B-hydroxytestosterone <1%; 17a-Methyltestosterone <1%; Progesterone <1%; Androstenedione <1%
Immunogen	Aldosterone-KLH
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Broad
Clone	BMEP
Purification	Purified by Ion exchange chromatography
Conjugate	Unconjugated
Applications	ELISA
Format	Purified IgG - liquid
Concentration	Lot specific
Size	1 mg
Buffer	Supplied in 0.015 M potassium phosphate, 0.85% NaCl pH 7.2, with 0.05% Sodium Azide

added as preservative.

Preservative

0.05% Sodium Azide

Storage

Store at +4 °C or at -20 °C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction

Aldosterone is a hormone that increases the reabsorption of sodium ions and water and the release (secretion) of potassium ions in the collecting ducts and distal convoluted tubule of the kidneys functional unit, the nephron. This increases blood volume and, therefore, increases blood pressure. Drugs that interfere with the secretion or action of aldosterone are in use as antihypertensives. One example is spironolactone, which lowers blood pressure by blocking the aldosterone receptor. Aldosterone is part of the renin-angiotensin system. Aldosterone is a steroid hormone (mineralocorticoid family) produced by the outer-section (zona glomerulosa) of the adrenal cortex in the adrenal gland to regulate sodium and potassium balance in the blood. It is synthesized from cholesterol by aldosterone synthase, which is absent in other sections of the adrenal gland.

Keywords

Aldocorten; Aldocortene; Aldocortin; D-aldosterone; Elektrocortin;
ELECTROCORTIN; LECTROCORTIN; REICHSTEIN X; ALDOCORTICOSTERONE; 18-
KETOCORTICOSTERONE; ALDOSTERONE
