



# Anti- Aldosterone polyclonal antibody (DPBT-65725SA)

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

## PRODUCT INFORMATION

|                           |                                                                                                                                                                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Sheep Anti AldosteroneSheep Anti Aldosterone                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>          | Aldosterone conjugated to Bovine Serum Albumin.                                                                                                                                                                                                                                                   |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                               |
| <b>Source/Host</b>        | Sheep                                                                                                                                                                                                                                                                                             |
| <b>Species Reactivity</b> | Broad                                                                                                                                                                                                                                                                                             |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>       | ELISA                                                                                                                                                                                                                                                                                             |
| <b>Format</b>             | Ig fraction - liquid                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>      | 5.0 mg/ml                                                                                                                                                                                                                                                                                         |
| <b>Size</b>               | 100 µl                                                                                                                                                                                                                                                                                            |
| <b>Buffer</b>             | Phosphate buffered saline                                                                                                                                                                                                                                                                         |
| <b>Preservative</b>       | 0.09% Sodium Azide                                                                                                                                                                                                                                                                                |
| <b>Storage</b>            | 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