

Product datasheet for **AM01012PU-N**

Aldosterone Mouse Monoclonal Antibody [Clone ID: BGN/10/4213]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | BGN/10/4213 |
| Applications: | ELISA |
| Recommended Dilution: | ELISA. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Aldosterone conjugated to Bovine Serum Albumin |
| Specificity: | This antibody is specific for Aldosterone. This antibody shows less than 0.01% cross-reactivity with Androstenedione, Corticosterone, DHEA and Deoxycorticosterone. |
| Formulation: | PBS, pH 7.2 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide |
| Concentration: | lot specific |
| Purification: | Affiinity Chromatography on Protein A |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2–8°C for one month or (in aliquots) at –20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |



Background:

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.

It acts in the kidney promoting the reabsorption of sodium ions (Na^+) into the blood. Water follows the salt and this helps maintain normal blood pressure. It also acts on sweat glands to reduce the loss of sodium in perspiration and taste cells to increase the sensitivity of the taste buds to sources of sodium.