

**Anti-Ghrelin (human, rat)
Mouse monoclonal antibody, biotinylated**

Subclass: IgG2b/k

PRODUCT NO.

ABS 052-121B

Clone: 121

SPECIFICITY ABS 052-121 binds human ghrelin.**IMMUNOGEN** Synthetic ghrelin (14-28)**TESTED APPLICATIONS** ELISA**SPECIES REACTIVITY
(POSITIVE)** Human, rat, mouse, dog, cat**SPECIES REACTIVITY
(NEGATIVE)** Not determined**EPI TOPE SPECIFICITY** Not determined

PRESENTATION**Content:** 150 µL, 1 mg/mL +/- 15%. See Certificate of Analysis for details.**Preparation:** Biotinylated**Form:** Liquid**Solvent:** 0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl**Storage:** 4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION**ELISA:** ABS 052-121 (as biotinylated detection antibody) forms an antibody pair with ABS 050-45 (as capture antibody) for measuring human ghrelin in sandwich ELISA.**TARGET**

Ghrelin is an orexigenic (food intake stimulating) 27 or 28 amino-acid gut-brain peptide hormone produced by endocrine cells in the stomach, pancreatic islets and certain hypothalamic neurons. Two forms are produced by alternative mRNA splicing; Gln13 or 14 is missing from the second form. "Active" ghrelin is acylated (octanoylated) at Ser3; this form stimulates growth hormone secretion via GHS receptors and increases appetite. The des-acyl form does not have these effects but may have other actions. Plasma responses of total ghrelin to food reflect those of active ghrelin.

REFERENCES**CONDITIONS**

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