

Anti-Glucagon (human, pig, rat)
Mouse monoclonal antibody, biotinylated
ABS 058-08 B

Subclass: IgG1/k

CAT. NO.

Clone: 08

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|-------------------------------|---|
| SPECIFICITY | ABS 058-08 binds human glucagon. |
| IMMUNOGEN | Synthetic N-terminal fragment of glucagon coupled to carrier |
| TESTED APPLICATIONS | ELISA |
| SPECIES REACTIVITY (POSITIVE) | Human, pig, rat |
| SPECIES REACTIVITY (NEGATIVE) | Not determined |
| EPITOPE SPECIFICITY | The epitope lies within the N-terminal half of human glucagon |

PRESENTATION

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| 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 and 15 mM sodium azide |
| Storage: | 4-8°C without exposure to light. No precautions necessary during handling. |

APPLICATION **ELISA:** ABS 058-08 (as biotinylated detection antibody) forms a sandwich ELISA pair with ABS 061-09 (as capture antibody) for measuring glucagon.

TARGET Glucagon is a peptide hormone of 29 amino-acid residues produced by the alpha cells of the pancreatic islets. Its effect is to raise blood sugar as a stress hormone and counter-regulatory hormone for insulin. It is produced by cell-type-specific processing of proglucagon, which in the alpha cells is split to form glicentin-related pancreatic polypeptide, glucagon and major proglucagon fragment, while the same precursor is split to form glicentin, oxyntomodulin (C-terminally extended glucagon-37), GLP-1 and GLP-2 in the L cells of the intestinal mucosa.

REFERENCES

CONDITIONS

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