

**Anti-Glucagon (human, pig, rat)****Mouse monoclonal antibody**

Subclass: IgG1/k

CAT. NO.

**ABS 058-08**

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
EPI TOPE SPECIFICITY	The epitope lies within the N-terminal half of human glucagon

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**PRESENTATION**

Content:	Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

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APPLICATION	<b>ELISA:</b> ABS 058-08 binds free glucagon in solution. ABS 058-08 (as biotinylated detection antibody) forms a sandwich ELISA pair with ABS 061-09 (as capture antibody) for measuring glucagon.
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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.
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**REFERENCES****CONDITIONS**

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