

Anti-GLP-1 (Mid-molecule specific)**Mouse monoclonal antibody**

Subclass: IgG1/k

Clone: 5B10

CAT. NO.

HYB 147-13

SPECIFICITY	Reacts with all forms of GLP-1, including precursor and GLP-1(9-37) /GLP-1(9-36amide) metabolite. HYB 147-13 cross-reacts with Liraglutide.
IMMUNOGEN	Synthetic GLP-1(7-36)amide coupled to carrier
TESTED APPLICATIONS	ELISA, WB, IHC, IF
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Mid-molecular epitope of GLP-1.

PRESENTATION	
Content:	Available in 200 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.

APPLICATION	<p>ELISA: HYB 147-13 binds to GLP-1 when coated directly onto the microtiter well, and binds GLP-1(7-36)amide in solution giving a K_a of 1.1×10^8 in inhibition ELISA. HYB 147-13 cross-reacts <0.6% with coated glucagon.</p> <p>In inhibition ELISA no binding of free glucagon in solution is detected, giving an estimated cross-reactivity of <0.2%.</p> <p>WB: In Western blotting a dilution guideline of 1/1000 has proved successful.</p> <p>IHC: HYB 147-13 was used in IHC in formaline fixed paraffin embedded tissue with a dilution of 1:3200.</p> <p>IF: HYB 147-13 was used in IF with a dilution of 1:4000.</p>
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TARGET	Glucagon-like peptide 1(7-36)amide (GLP-1(7-36)amide) is the principal active form of GLP-1, the other being GLP-1(7-37). GLP-1 is a peptide hormone of the glucagon family, produced by the L cells of the intestinal mucosa from the same prohormone as glucagon. The active forms are potent stimulators of glucose-dependent insulin secretion. The sequence of GLP-1 is fully conserved in all mammalian species examined so far.
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REFERENCES

CONDITIONS

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