

**Anti-GLP-1(7-37) and GLP-1(7-36)amide (free N-terminus-specific)
Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO.	ABS 033-04
PRESENTATION	Preparation: Protein-A purified Content: Available in 200 µL and 1 mL volumes, 1 mg/mL Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide Storage: In the dark at 4-8°C
ANTIGEN	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.
IMMUNOGEN	KLH-conjugated synthetic [Cys18]-GLP-1(7-17) adsorbed onto aluminum hydroxide gel
SPECIFICITY	ABS 033-04 binds the free N-terminus of GLP-1(7-37) and GLP-1(7-36)amide and shows <0.2% cross-reactivity with GLP-1(1-37), GLP-1(9-36)amide, glucagon, human GIP and exendin-4. Cross-reacts approximately 1% with human GLP-2.
EPI TOPE SPECIFICITY	Free N-terminus of GLP-1(7-37) and GLP-1(7-36)amide.
REACTIVITY	ABS 033-04 binds free GLP-1(7-37) and free GLP-1(7-36)amide in solution. The ELISA dilution guideline to GLP-1(7-37) coated directly at 1 µg/mL. Not recommended for use in sandwich ELISA.
CULTURE MEDIUM	RPMI 1640 with 10% fetal calf serum
FUSION PARTNER	SP2mIL6
IMMUNIZATION	Female NMRIxBALB/c mice immunized by intraperitoneal injection
APPLICATION	

Method	Usability	Dilution guideline	References
ELISA	Yes (direct ELISA)	1/10,000	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

The dilution guideline is based on use as detection antibody in direct ELISA of GLP-1 (7-37) coated at 1 µg/ml. Users should determine the optimal dilutions for their own purposes.

REFERENCES
CONDITIONS

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.