

GLP1 antibody [10] (Biotin)

Cat. No. GTX60952-02

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	ELISA
Reactivity	Human

Package

50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ELISA	Assay dependent

Not tested in other applications.

Product Note

This antibody 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(9-36)amide, glucagon and human GIP. Cross-reacts 0.25% with GLP-1(1-37), approximately 6% with human GLP-2 and approximately 50% with exendin-4. this antibody cross-reacts with Liraglutide.

Properties

Form	Liquid
Buffer	10mM Phosphate, 140mM NaCl
Preservative	15mM Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic GLP-1(7-17)
Purification	Biotinylated
Conjugation	Biotin

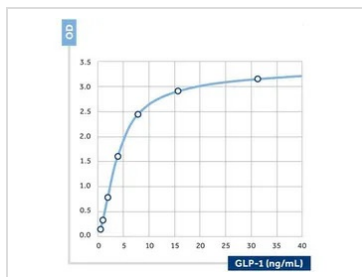
Note

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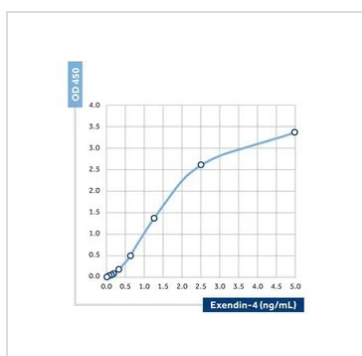
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DATA IMAGES

GTX60952-02 ELISA Image

The calibration curve of a sandwich assay for Non-amidated GLP-1 using GTX60954 as the capture antibody and GTX60952 -02 as the biotinylated detection antibody.


GTX60952-02 ELISA Image

This uses GTX60951 as capture antibody in combination with biotinylated detection antibody GTX60952 -02 exclusively to measure GLP-1(7-36)amide in biological samples. GLP-1(7-36)amide is the principal active form of the peptide, and has been estimated to make up about 70% of the physiological response. Relative to measuring both active forms of GLP-1 together, the responses are reduced by not measuring the approximately 30% contribution of GLP-1(7-37) to the overall response. There is no cross-reactivity with any extended or truncated physiological form of GLP-1(7-36)amide. Specimens must be collected into tubes containing an adequate amount of DPP-4 inhibitor (in addition to routine peptidase inhibitors) to prevent the rapid in vitro degradation of the active peptide.



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