

## ABfinity™ GLP1 Recombinant Rabbit Monoclonal Antibody

Publication Number: MAN0007175

Rev. 1.00

Catalog Number: 701296

Store at 2°C to 8°C (short-term), or -20°C (long-term)

**Clonality:** Monoclonal  
**Concentration:** 0.5 mg/mL  
**Quantity:** 100 µg  
**Volume:** 200 µL

**Host/Class:** Rabbit IgG  
**Reactivity:** Human GLP-1  
**Predicted Reactivity:** Human

### Product Description

Glucagon like peptide 1 (GLP1) is an anti-hyperglycemic hormone produced by L cells found primarily in the ileum and colon. It is derived from the transcription product of the proglucagon gene, and exists in two biologically active forms as GLP1(7-37), and GLP1(7-36) amide, produced from selective cleavage of proglucagon. GLP1 stimulates glucose dependent insulin release, proliferation of islet beta cells, and maintains circulating levels of glucose.

### Product Specifications

**Immunogen:** Peptide corresponding to amino acids 98–118 of human GLP1  
**Alternate Names:** Glucagon like peptide 1  
**Apparent MW:** 21 kDa  
**Gene ID:** 2641  
**Protein Accession No.:** P01275  
**Sequence Identity:** Human  
**Sequence Homology:** Mouse, Rat, Monkey, Rabbit  
**Clone/PAD:** 24H1L3  
**Lot:** See product label

### Product Applications

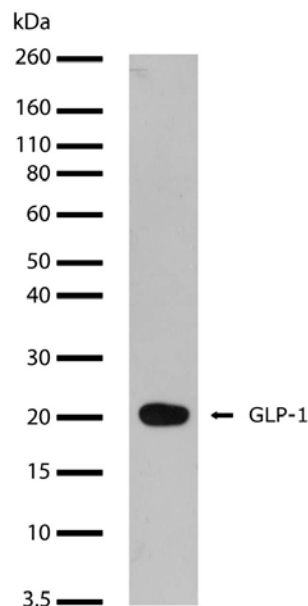
Application	Species	Test Material	Concentration
Western blotting	Mouse	Small Intestine	2–3 µg/mL
Indirect ELISA	Human	Protein	1.5 ×10 <sup>-4</sup> to 3 µg/mL

### Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

### Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.



**Figure 1** Western blot analysis of ABfinity™ GLP1 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701296).

Western blot analysis was performed on whole cell extracts from mouse small intestine. Endogenous levels of GLP1 was detected at ~21 kDa using ABfinity™ GLP1 Recombinant Rabbit Monoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using enhanced chemiluminescence (ECL) method.

### Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

**Caution:** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

**For research use only. Not for use in diagnostic procedures.**

## Product Documentation

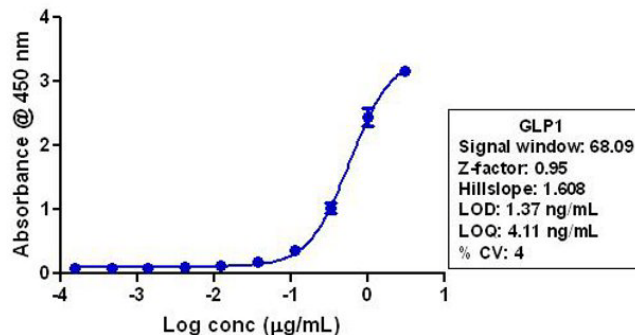
To obtain a Certificate of Analysis or SDS, visit [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

## Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106

## Limited Product Warranty

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**Figure 2** Indirect ELISA of ABfinity™ GLP1 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701296).

Indirect ELISA was performed using various dilutions of ABfinity™ GLP1 Recombinant Rabbit Monoclonal Antibody to detect GLP1 protein coated onto the plate. A non-linear regression analysis was performed (4 PL), and LOD and LOQ for the antibody was determined.

## Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

## Limited Use Label License No. 327: Recombinant Antibody Technology

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15 September 2012

