

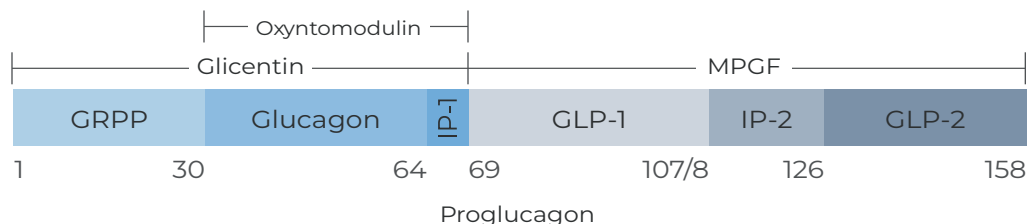
# Glicentin

Enzyme-Linked Immunoassay Kit



**Introduction:** Glicentin is a 69 amino acid N-terminal peptide derived from proglucagon (PG 1-69) by posttranslational processing in the intestine by intestinal L-cells. Glicentin can further be processed into oxyntomodulin, corresponding to proglucagon residues no 33-69. These peptides are released simultaneously upon stimulation.

Glicentin is a pro-glucagon derived gut peptide that is released in the gut in response to feed intake. It is present in high levels in the circulation after stimulation and is often a problem when measuring glucagon because of its shared sequence.



## ANSH LABS ADVANTAGES

### Accurate

Two low reading Glicentin samples were spiked into calibrator F and assayed. The spiked recovery is shown in the table.

Sample	Endogenous Conc. (ng/mL)	Expected Conc. (ng/mL)	% Recovery
1	24.512	434.89	89
2	0.0010	416.50	86

### Specific

The Glicentin sequence is highly conserved among mammals. The antibody pair used in Glicentin assay detects Bovine, Porcine, Goat, Canine, Sheep and Squirrel monkey cross-reactivity to other closely related analytes is listed in the table..

#### Specific to Glicentin

Does not show any cross-reactivity to Oxyntomodulin, Glucagon, GLP-1, GLP-2, GRPP, MPGF-I, MPGF-II, Insulin, Thyroglobulin, C-Peptide.

#### Analytical measurable range of approximately 33.3-1666 pg/mL

Wide dynamic range for detection of Glicentin studies of a variety of physiological states.

#### Sensitive to 4.17 pg/mL

#### Kit includes all reagents needed to run a 96-well plate, shipped at ambient temperatures and stored at 2-8°C

No need to buy or make additional reagents.

#### Long shelf-life

24 months from the date of manufacture; minimizing assay lot changes for long term studies.

Sample Name	% Cross-reactivity
Oxyntomodulin (1-37)	ND
Glucagon (1-29)	ND
GLP-1 (1-36)	ND
GLP-1 (7-36 amide)	ND
GLP-1 (9-36 amide)	ND
GLP-2 (1-34)	ND
GRPP	ND
MPGF-I	ND
MPGF-II	ND
Insulin	ND
Thyroglobulin	ND
C-Peptide	ND

Glicentin is a useful research tool for studies related to:

- Weight loss monitoring after bariatric surgery
- Digestive and metabolic diseases
- Colorectal cancer
- Diabetes Mellitus

## ELISA 96 Wells

Method	Quantitative 3-step sandwich type immunoassay
Incubation Time	Total 2.5 hour incubation at room temperature
Approximate Dynamic Range	6 points, 33.3-1666 pg/mL
Sensitivity	4.17 pg/mL
Sample Size / Type	25 µL / Plasma
Shelf-life	24 months
Catalog Number	AL-185

## Related Assays

C-Peptide of Insulin	96-Well ELISA	AL-151
Glucagon	96-Well ELISA	AL-157 [FDA, CE]
GLP-1	96-Well ELISA	AL-172
GLP-2	96-Well ELISA	AL-174
Oxyntomodulin	96-Well ELISA	AL-139
Proglucagon	96-Well ELISA	AL-1019

\*Unless otherwise stated here, in our catalog, or other product documentation, these kits are intended for research use only and not for in vitro diagnostic purposes or therapeutic uses.

POS.185.1224.USINTL

### Reproductive Function

Activin A [CE]  
 Activin B  
 Activin AB  
 AFP  
 AMH [CE]  
 AMH, Dried Blood Spot [CE]  
 AMH (PCOCheck™) [CE]  
 picoAMH (MenoCheck®) [FDA, CE]  
 BMP-15  
 Estriol [FDA, CE]  
 Follistatin  
 Follistatin Like-3  
 FSH  
 FSH, Dried Blood Spot  
 GDF-9  
 GDF-9/BMP-15 Complex  
 GDF-15, Total  
 GDF-15, H-Specific  
 Inhibin, Total  
 Inhibin A [FDA, CE]  
 picoinhibin A  
 Inhibin A (OMQCheck™)  
 Inhibin B [CE]  
 Inhibin B, Ultra-Sensitive [CE]  
 LH  
 LH, Dried Blood Spot  
 PAPP-A [CE]  
 PAPP-A2 [CE]  
 picoPAPP-A [CE]  
 PLGF [CE]  
 Prolactin [FDA, CE]  
 Prolactin, Dried Blood Spot [CE]

### Specialty Controls

AnshCheck AMH Tri-Level Controls [FDA, CE]  
 AnshCheck Inhibin B Tri-Level Controls  
 AnshCheck Maternal Screening Bi-Level Controls [FDA, CE]

### Metabolism

C-Peptide of Insulin  
 GLP, Intact  
 GLP, Total  
 Glicentin  
 GLP-1  
 GLP-2  
 Glucagon [FDA, CE]  
 Major Proglucagon Fragment  
 Oxyntomodulin  
 Proglucagon

### Growth Factors

IGF-I, Free  
 IGF-I, Total [FDA, CE]  
 IGF-II  
 IGFBP-2  
 IGFBP-3, Intact  
 IGFBP-3, Total  
 IGFBP-4, Intact  
 IGFBP-4, Total  
 IGFBP-5  
 picoll-6  
 Stanniocalcin 2

### Species Specific Assays

Activin B: Mouse, Rat  
 AMH: Bovine, Canine, Equine, Feline, Mouse, Ovine, Porcine, Primate, Rat  
 GDF-15: Bovine  
 IGF-I, Free: Mouse, Rat  
 IGF-I, Total: Mouse, Rat  
 IGFBP-4, Intact : Mouse, Rat  
 IGFBP-4, Total: Mouse, Rat  
 Inhibin A: Canine, Equine, Rodent  
 Inhibin B: Canine, Equine, Mouse  
 Oxyntomodulin: Mouse, Rat  
 PAPP-A: Mouse

### Neuronal Disorders

MBP

\*\*Unless stated otherwise, products are for research use only.

### Customer Relations

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ISO 13485:2016

Ansh Labs is ISO certified for the design, development, manufacturing, services and distribution of reagents/ immunoassay kits for research and in vitro diagnostic applications.