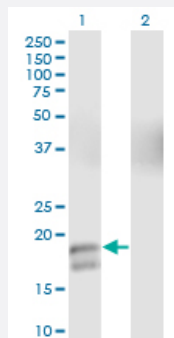


GCG monoclonal antibody (M01), clone 2D3-2B11

Catalog # H00002641-M01

Size 100 ug

Applications

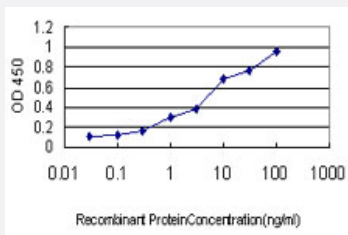


Western Blot (Transfected lysate)

Western Blot analysis of GCG expression in transfected 293T cell line by GCG monoclonal antibody (M01), clone 2D3-2B11.

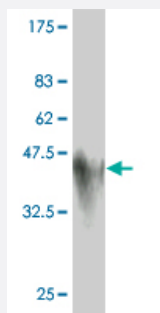
Lane 1: GCG transfected lysate(20.9 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GCG is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (45.54 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant GCG.

Immunogen	GCG (AAH05278, 1 a.a. ~ 180 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKSIYFVAGLFVMLVQGSWQSLQDTEEKSRFSASQADPLSDPDQMNE DKRHSQGTFTSDYS KYLD SRR AQDFVQWLMNTKRN RNNIAKRHDEFERHAEGTFTSDVSSYLEGQAAKEFI A WLVKGR GRRDFPEEVAIVEELGRRHADGSFSDEMNTILDNLAARDFINWLIQTKITDRK
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (45.54 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of GCG expression in transfected 293T cell line by GCG monoclonal antibody (M01), clone 2D3-2B11.

Lane 1: GCG transfected lysate(20.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GCG is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GCG

Entrez GeneID

[2641](#)

GeneBank Accession#	BC005278
Protein Accession#	AAH05278
Gene Name	GCG
Gene Alias	GLP1, GLP2, GRPP
Gene Description	glucagon
Omim ID	138030
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is actually a preproprotein that is cleaved into four distinct mature peptides. One of these, glucagon, is a pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is a ligand for a specific G-protein linked receptor whose signalling pathway controls cell proliferation. Two of the other peptides are secreted from gut endocrine cells and promote nutrient absorption through distinct mechanisms. Finally, the fourth peptide is similar to glicentin, an active enteroglucagon. [provided by RefSeq]
Other Designations	glicentin-related polypeptide glucagon-like peptide 1 glucagon-like peptide 2

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Obesity](#)