



GLP-1, Active form Assay Kit – IBL

Fundamental Assay design and Technical Information

- Research Use Only -

- Sandwich ELISA (Colorimetric) designed specifically measuring active form GLP-1.
- Only 2.5 hours are required for the incubation.
- Can be used for human, mouse and rat sample (EDTA-plasma).
- Correlation (with / without extraction): **r=0.936** (See the data on page 2).
- Less concerning non-specific interface.

No.	Product Name	Incubation	Total Required Time	Detection Method	Range (pmol/L)	Sensitivity (pmol/L)	Cross Reactivity
27784 – 96Well	GLP-1, Active Form Assay Kit-IBL	1 st reaction: 37°C 60mins 2nd; reaction: 4°C 60mins Chromogenic reaction: R.T. 30mins	2.5 hours	Colorimetric	1.25-80	0.10	GLP-1 (7-36) amide 100.0% GLP-1 (7-37) 100% GLP-1 (1-37) 0.32% GLP-1 (9-36) amide < 0.1 % GLP-2 < 0.1 % Glucagon < 0.1 % Human GIP < 0.1 % Mouse GIP < 0.1 %

#27784 GLP-1, Active Form Assay Kit-IBL (96Well) ELISA Design

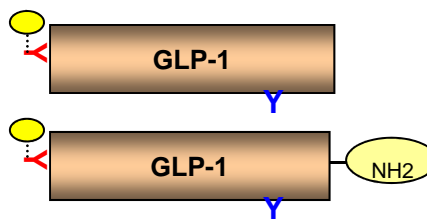
HAEGTFTSDVSSYLEGQAAKEFIAWLVKGR(G)

Labeled Antibody
Anti-GLP-1 (7-12) (34B1) MoAb Fab' HRP conjugate

Precoated Antibody
Anti-GLP-1 (20-37) PoAb

GLP-1,
Active form (7-37)

GLP-1,
Active form (7-36)amide



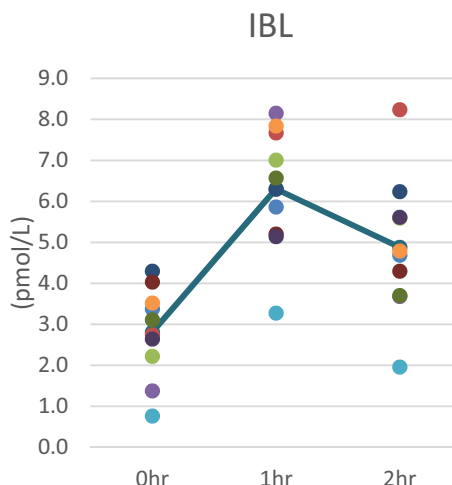
Intra-Assay

Measurement Value (pmol/L)	SD value	CV value (%)	n
41.56	2.26	5.4	24
11.38	0.51	4.5	24
2.43	0.13	5.5	24

Inter-Assay

Measurement Value (pmol/L)	SD value	CV value (%)	n
41.62	3.03	7.3	7
11.24	0.80	7.1	7
2.18	0.24	10.9	7

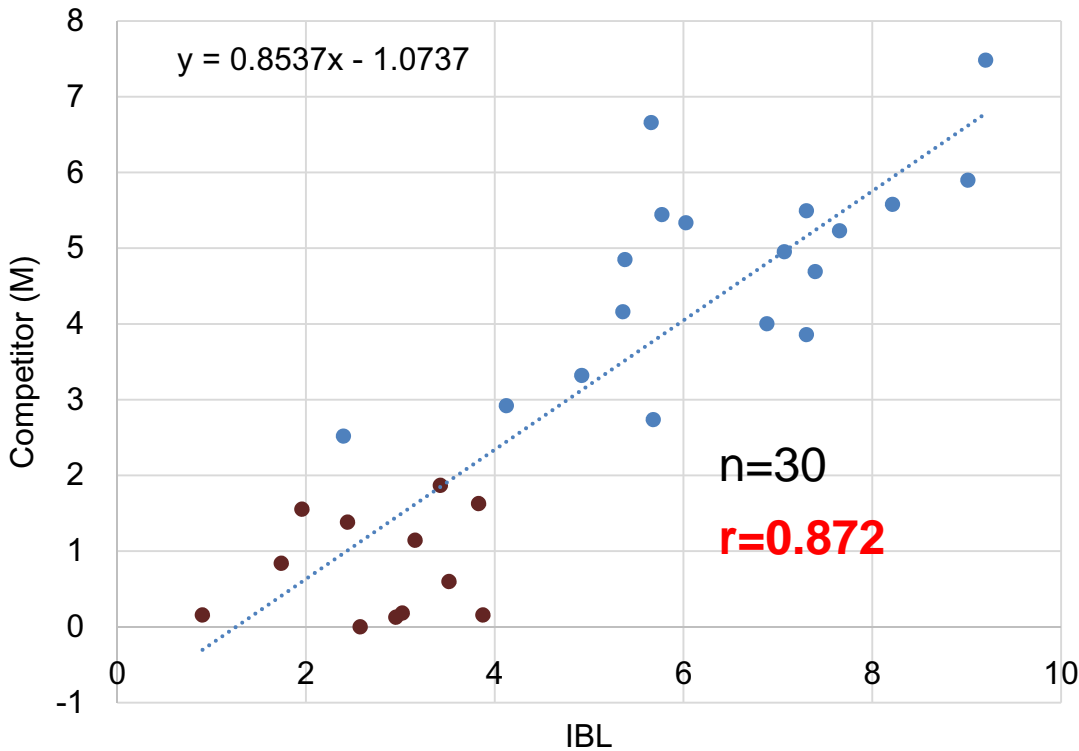
#27784 GLP-1, active form Assay Kit – IBL GLP-1 conc. on fasting test (Cookie meal test)



sample subjects	IBL Direct Human Plasma		
	0hr	1hr	2hr
	Avg	2.8	6.3

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Comparison Data



Sample:

Human EDTA-Plasma (solid phase extracted)

Collection Tube:

BD™ P800 GLP-1, GIP, Glucagon, Ghrelin (Blood collection tube for store)

(Becton, Dickinson and Company)

Solid phase extraction column:

Bond Elut C18 200mg (Agilent Technologies)

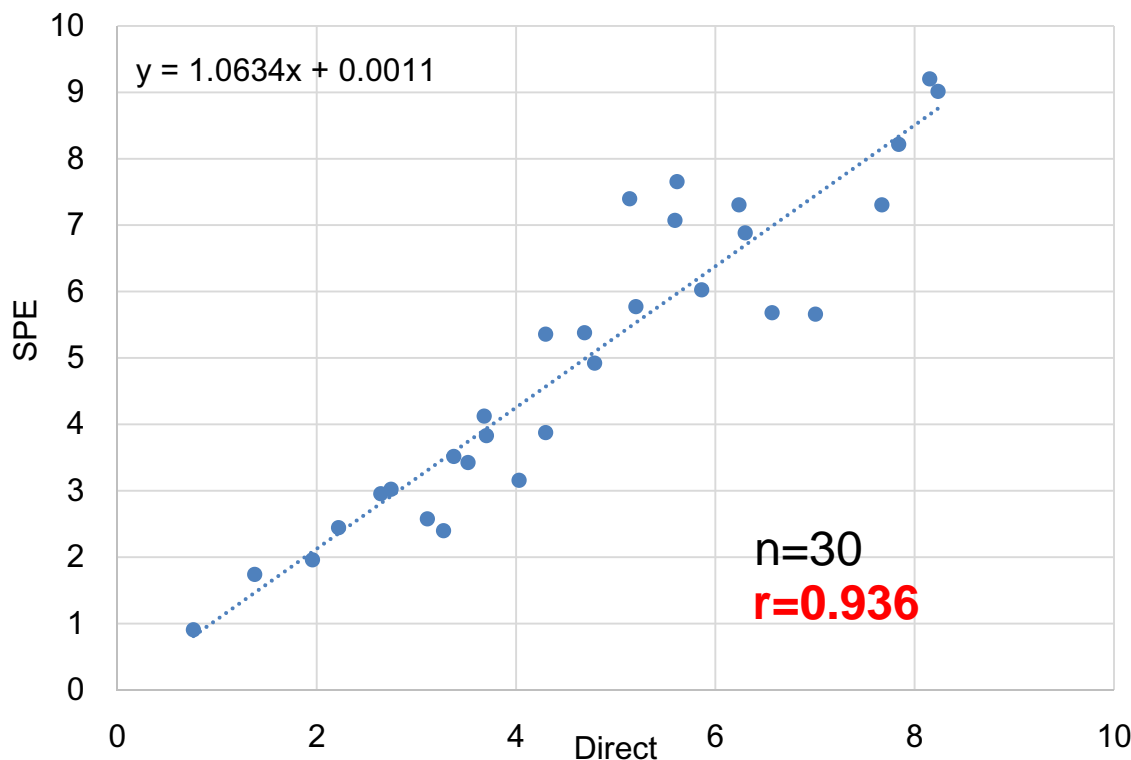
Assay Kit:

IBL: #27784 GLP-1, Active Form Assay Kit

Competitor (M): Glucagon-Like Peptide-1 (Active) ELISA Kit

- Value is in range of both IBL and competitor (M)'s assay kit.
- Value is under range of competitor (M)'s assay kit.

Correlation data (With or Without Extraction)



Sample:

Human EDTA-Plasma (with or without extraction)

Collection Tube:

BD™ P800 GLP-1, GIP, Glucagon, Ghrelin (Blood collection tube for store)

(Becton, Dickinson and Company)

Solid phase extraction column:

Bond Elut C18 200mg (Agilent Technologies)

Assay Kit:

IBL: #27784 GLP-1, Active Form Assay Kit