



GLP-1, Active form Assay Kit – IBL

Feature of the 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

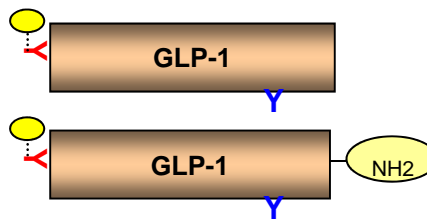
HAEGTFTSDVSSYLEGQAAKEFIAWLVKGR(G)

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



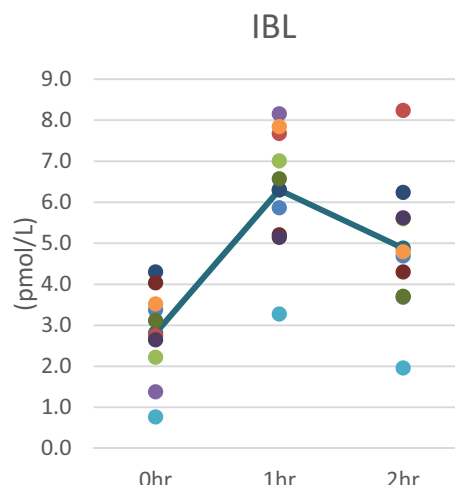
Intra-Assay

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
No.1	3.4	5.9	4.7
No.2	2.7	7.7	8.2
No.3	2.2	7.0	5.6
No.4	1.4	8.2	3.7
No.5	0.8	3.3	2.0
No.6	3.5	7.8	4.8
No.7	4.3	6.3	6.2
No.8	4.0	5.2	4.3
No.9	3.1	6.6	3.7
No.10	2.6	5.1	5.6
Avg	2.8	6.3	4.9

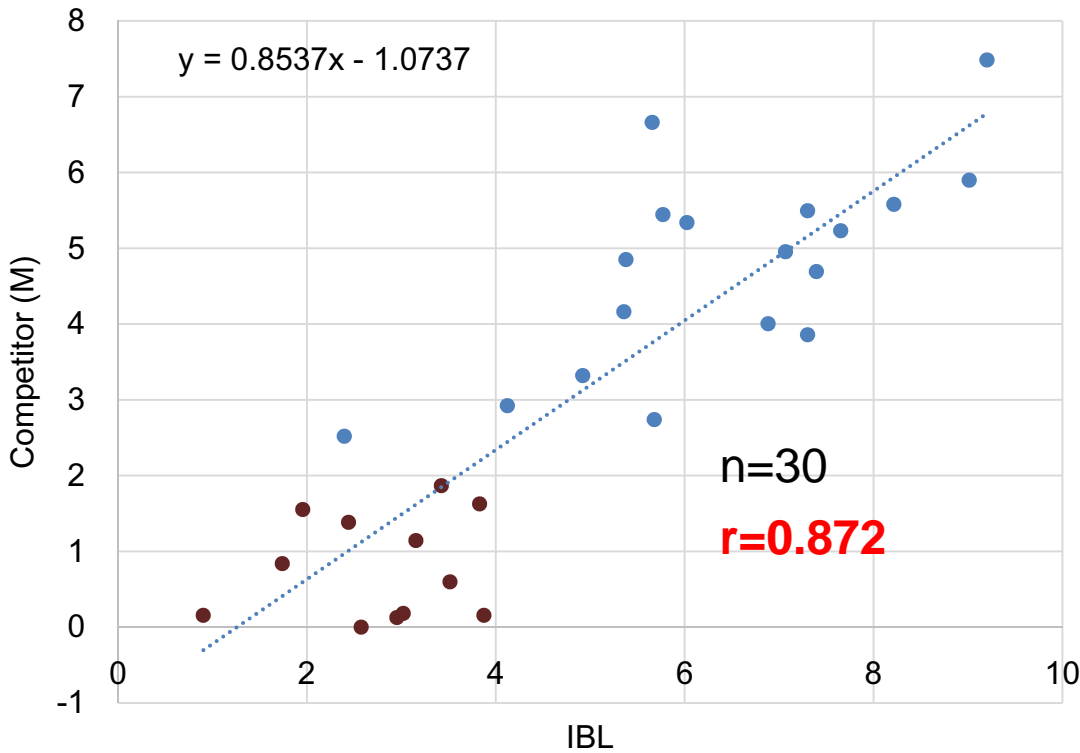
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Comparison Data



Sample:
Human EDTA-Plasma (solid phase extracted)

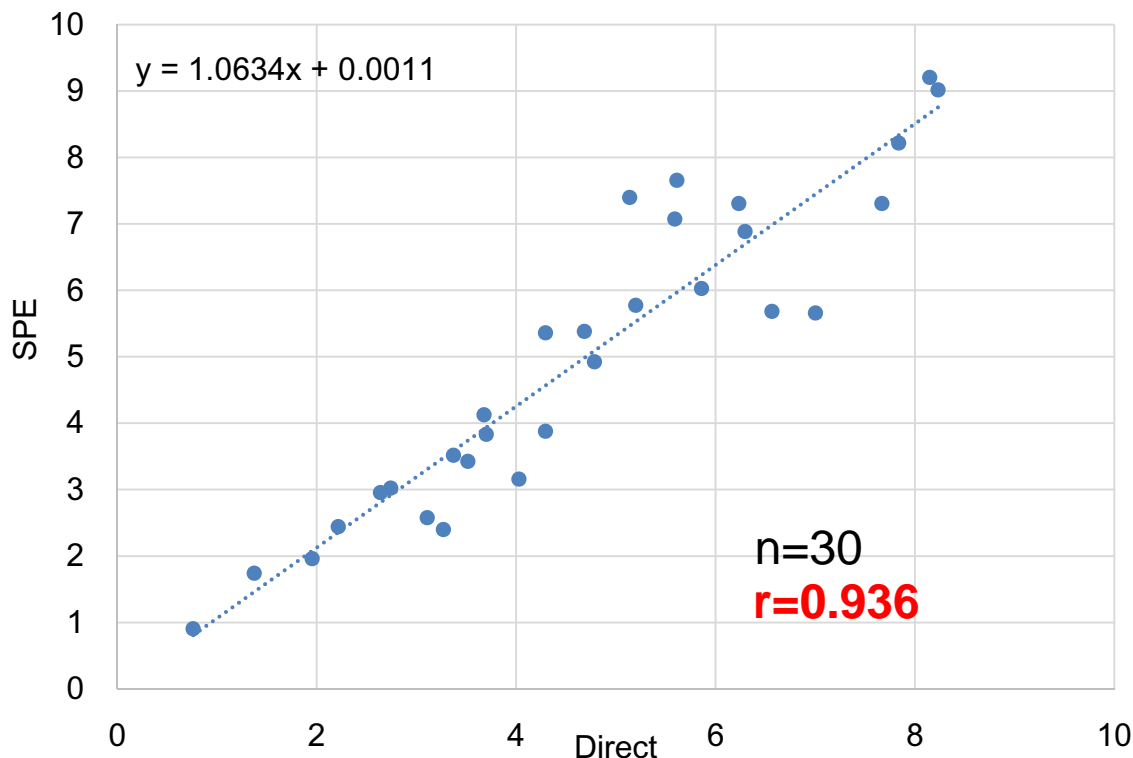
Collection Tube:
BD™ P800 GLP-1, GIP, Glucagon, Ghrelin (Blood collection tube for store)
(Becton, Dickinson and Company)

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