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Japan Quality

IBL has maintained **ISO13485** certification since 2009. All our antibodies and ELISA products are manufactured and controlled in-house at our head office and main laboratory located in Japan. We are proud and confident in the quality of our products and services.

MD 616241 / ISO 13485

IBL carefully conducts all processes of antibody development with the utmost attention to the process of selecting sequence, immunization, screening, and cloning to find the best antibodies for a particular purpose. Our mission is to consistently supply quality products that are both highly specific and sensitive.

IBL has an extensive global supply network.
Please feel free to contact us Email: do-ibl@ibl-japan.co.jp if you have any questions.

IBL

Immuno-Biological Laboratories Co., Ltd. (IBL) Head Office (Main Laboratory)

1091-1 Naka Aza-Higashida, Fujioka-Shi, Gunma 375-0005, JAPAN
TEL : +81 (274) 22 2889 FAX : +81 (274) 23 6055
Email : do-ibl@ibl-japan.co.jp URL : https://www.ibl-japan.co.jp/en/

Stratech

Kidney Diseases

CKD, AKI, IgA Nephropathy (IgAN), Hypertension, etc.

- α-Klotho
- Angiotensinogen
- Gd-IgA1, s(P)RR, AIM, etc.

Unique & Niche, Antibody & ELISA

ELISA Kidney Diseases

CKD, AKI, IgA Nephropathy (IgAN), Hypertension, etc.

α(Alpha)-Klotho has an important role for regulating mineral metabolism as the co-receptor of FGF23 that is extensively researched in kidney disease. IBL has an ELISA that specifically detects human soluble α-Klotho which has been IBL's bestselling product since it was released in 2010. IBL also has a lot of unique ELISA products in the field of kidney research such as Gd-IgA1 for IgA Nephropathy, Angiotensinogen for Renin-Angiotensin-Aldosterone System (RAAS) involved in the regulation of blood pressure, as well as Soluble (Pro) Renin Receptor and AIM (Apoptosis Inhibitor of Macrophage) ELISAs.

ELISA

Reliable Quality
- Consistency & Accuracy
- Stable Supply
- Professional Support

Antibody

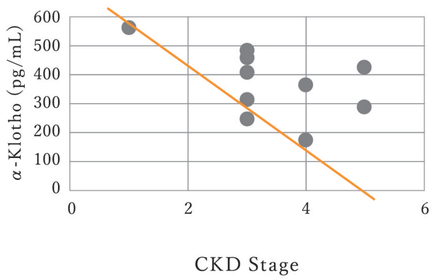
In-house Development & Control
- Select Sequence
- Strive for Specificity
- Production / QC

α-Klotho

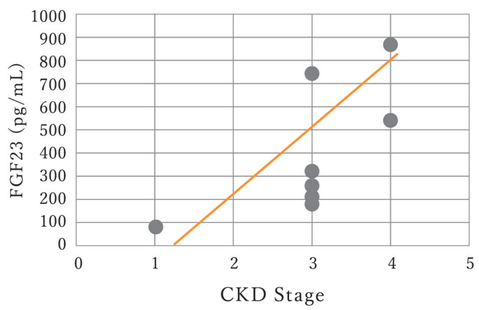
CKD
Negative Correlation(α-Klotho vs FGF23)

(Human EDTA-Plasma)

α-Klotho vs CKD stage (ALL)



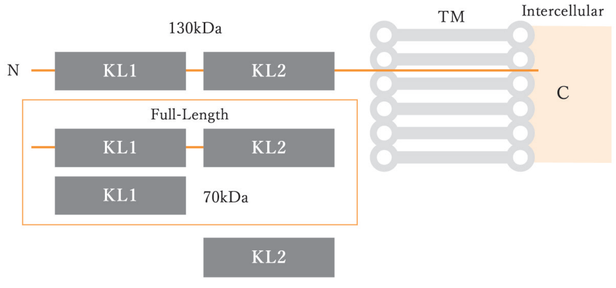
FGF23 vs CKD stage (1-4)



Data provided by Dr.Yuji Muraba, Cardiology, Hidaka Hospital

Best Selling

α-Klotho – Transmembrane (TM) protein / mainly expressed in kidneys and parathyroid glands



α(Alpha)-Klotho is widely measured in CKD research. It is a one-transmembrane protein (130 kDa) that is expressed in kidneys and the parathyroid glands and it has an important role for regulating mineral metabolism. #27998 Human soluble α-Klotho specifically detects human soluble α-Klotho, KL1 and KL1+KL2.

α-Klotho

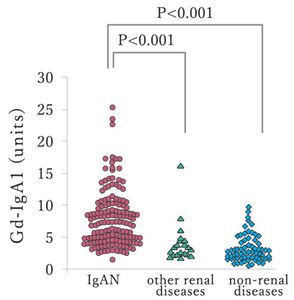
#27998 h_soluble α-Klotho
#27601 m_soluble α-Klotho

h: Human m: Mouse hmr: Human / Mouse / Rat

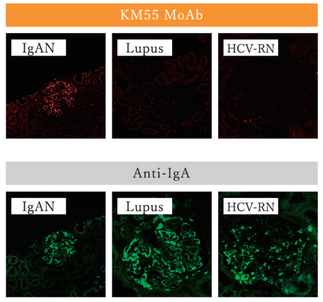
Gd-IgA1 (Galactose-deficient IgA1)

Unique

Gd-IgA1 Level in Serum



1 unit =1μg/mL enzymatically generated Gd-IgA1



References
Novel lectin-independent approach to detect galactose-deficient IgA1 in IgA nephropathy. Yasutake J et al. Nephrol Dial Transplant. 2015 Aug;30(8):1315-21.

IgA nephropathy and IgA vasculitis with nephritis have a shared feature involving galactose-deficient IgA1-oriented pathogenesis. Suzuki H et al. Kidney Int. 2018 Mar;93(3):700-705.

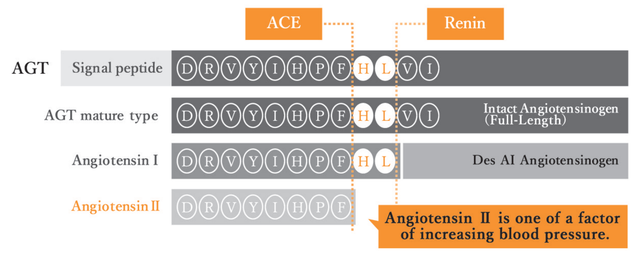
Galactose-deficient IgA1 (Gd-IgA1) attracts a lot of attention as a critical effector molecule in the pathogenesis and progression of IgA Nephropathy (IgAN) in recent research. The IBL ELISA kit, using a monoclonal antibody (KM55) that specifically recognizes the galactose-deficient hinge sequence of human Gd-IgA1, is a lectin non-dependent measuring system that can quantitatively measure Gd-IgA1 in human serum. It is also suitable for large scale studies because of its stability. #27600 Human Gd-IgA1 ELISA specifically detects human Gd-IgA1 and #10777 Gd-IgA1 (KM55) MoAb can be used for IHC.

Gd-IgA1

#27600 h_Gd-IgA1

Angiotensinogen (AGT), Total / Intact (Full-Length)

Hypertension Research



Evaluation (Total AGT vs Intact AGT)

	Diluted by 4,000 fold (ng/mL)			Diluted by 10,000 fold (ng/mL)		
Sample (Healthy Subject)	27412 (Total AGT)	27742 (Intact AGT)	Intact/Total (Ratio)	27412 (Total AGT)	27742 (Intact AGT)	Intact/Total (Ratio)
Serum 42	36,356	16,176	44.5%	39,280	15,760	40.1%
Serum 43	25,632	14,544	56.7%	26,230	14,080	53.7%
Serum 44	25,704	13,820	53.8%	28,130	14,430	51.3%
EDTA Plasma 42	28,612	14,168	49.5%	30,050	14,890	49.6%
EDTA Plasma 43	25,284	13,780	54.5%	26,790	14,830	55.4%
EDTA Plasma 44	21,240	11,892	56.0%	22,740	11,100	48.8%

Date Prepared: 29th August 2019

Angiotensinogen (AGT) is a useful biomarker for research in hypertension as it is involved in the Renin-Angiotensin-Aldosterone System (RAAS). #27412 Human Total AGT detects both human Intact (Full-Length) and Des AI AGT that is cleaved by renin. #27742 Human Intact AGT specifically detects only human Intact AGT.

Angiotensinogen

#27412 h_Total Angiotensinogen (AGT)
#27742 h_Intact Angiotensinogen (AGT)

Other Products

AIM
#27265 h_AIM/CD5L

FGF21
#27997 h_FGF21

Soluble (Pro) Renin Receptor
#27782 hmr_s(Pro) Renin Receptor

etc.

All IBL ELISA and antibody products are research use only and they cannot be used for diagnostic or medical purposes.