



renal tubular injury
biomarker
lipid peroxidation
hypoxic tissue injury
sepsis
nephrotoxins
cardiac surgery
acute tubular necrosis
apheresis
radiocontrast agents
microcirculation
renal transplantation
predicting dialysis-free survival
hypertension
ischemia
diabetes nephropathy

**FOR EARLY DETECTION OF ISCHEMIC EVENTS ON ACUTE KIDNEY INJURY
FOR DISEASE MANAGEMENT OF CHRONIC KIDNEY DISEASES**

RENISCHEM[®]

Urinary L-FABP ELISA kit

L-FABP BIOMARKER WEBSITE OPENED!

fabp web

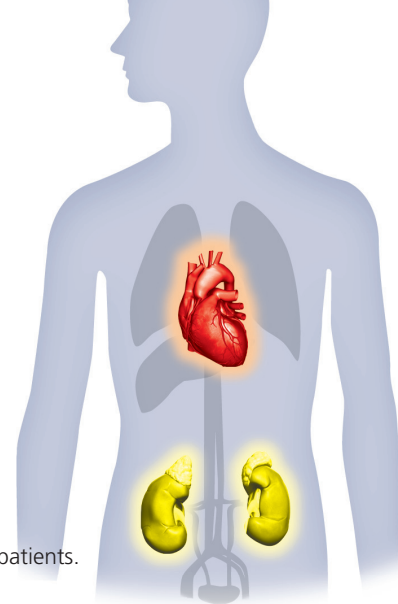
search

For detection of ischemic events on AKI...

- ▶ Renal L-Type fatty acid-binding protein in acute ischemic injury.
Yamamoto T et al, J AM Soc Nephrol. 2007 (JAPAN)
- ▶ Liver fatty acid-binding protein as a biomarker of acute kidney injury after cardiac surgery.
Portilla D et al, Kidney Int. 2008 (USA)
- ▶ Urinary L-type fatty acid-binding protein as a new biomarker of sepsis complicated with acute kidney injury.
Doi K et al, Crit Care Med. 2010 (JAPAN)

For disease management of CKD and Diabetic Nephropathy...

- ▶ Urinary L-FABP and anaemia: distinct roles of urinary markers in type 2 diabetes.
Von Eynatten M et al, Eur J Clin Invest. 2010 (GERMANY)
- ▶ Urinary liver-type fatty acid-binding protein predicts progression to nephropathy in type 1 diabetic patients.
Nielsen SE et al, Diabetes Care. 2010 (DENMARK)
- ▶ Clinical significance of urinary liver-type fatty acid-binding protein in diabetic nephropathy of type 2 diabetic patients.
Kamijo-Ikemori A et al, Diabetes Care. 2011 (JAPAN)
- ▶ Predictive effect of urinary liver-type fatty-acid binding protein for deterioration of renal function and incidence of cardiovascular disease in type 2 diabetic patients without advanced nephropathy.
Araki S et al, in press (JAPAN)



Measurement of Urinary L-FABP and Albumin predicts high risk of diabetic nephropathy

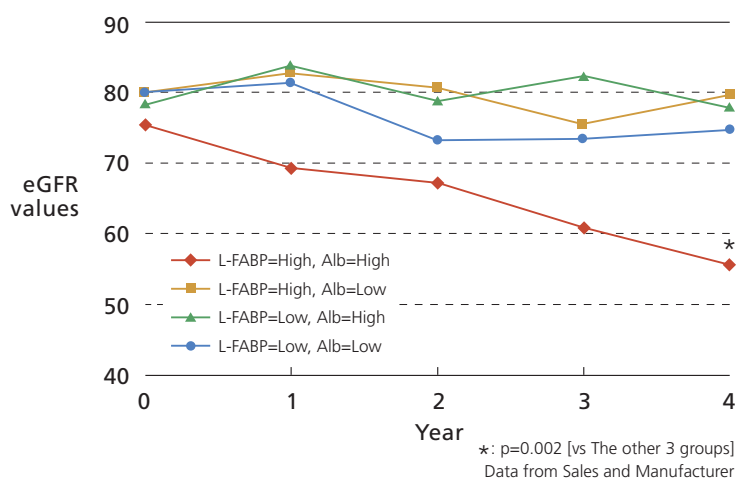
86 patients (eGFR ≥ 60) out of 147 patients with diabetes are classified by 4 groups according to the level of urinary L-FABP and Albumin. H&H Group shows that both levels of albumin and L-FABP are high. The patients were followed for 4 years.

The eGFR values of H&H group patients are clearly decreased year by year. The eGFR values of Albumin high and L-FABP low group (H&L) is not necessarily declined. This result shows the measurement of both L-FABP and albumin increases accuracy of diagnosis of deterioration of patient's renal functions.

		Urinary L-FABP	
		Low	High
Urinary albumin	Low	L&L	L&H
	High	H&L	H&H

Transition of eGFR value over 4 years

(Based on the level of L-FABP and Albumin of the first year)



RENISCHEM®

Urinary L-FABP ELISA kit

Size: 96 Wells

Intended User: Lab professionals

Store Temperature: 2-8°C

Method: Enzyme-Linked-Immuno-Sorbent Assay of 2-step sandwich method

Sample: Human urine

Assay time: 4 hours

Shelf life: 12 months

*L-FABP ELISA Kit for research use has 24-month shelf life.

Measurable range: 3-400 ng/mL

CE IVD



[Contact]

[Manufacturer]

CMIC HOLDINGS Co., Ltd.

Address: Kongo Bldg., 7-10-4 Nishigotanda, Shinagawa-ku, Tokyo 141-0031, JAPAN

URL: <http://www.anywhere-plus.org/l-fabp/info/e/>

E-mail: l-fabp@cmic.co.jp

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