

Autoimmune disease

Renal disease research



ELISA kit for measurement of anti dsDNA antibody

Useful for research on systemic lupus erythematosus (SLE) and rheumatoid arthritis

Anti dsDNA antibody/Anti ssDNA antibody
Rheumatoid factor IgG type
Rheumatoid factor IgM type

ELISA kit/TIA reagents for albumin measurement

A lineup of ELISA Kits and TIA reagents for an autoanalyzer
Useful for measurement of a minute quantity of urinary albumin

Chronic kidney disease (CKD)/Diabetic nephropathy (DN)
Hypertension, vascular endothelial dysfunction, cardiovascular disease



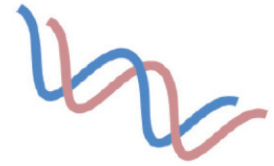
Enzyme-Linked ImmunoSorbent Assay Kit (ELISA Kit)

LBIS Anti ds DNA-Mouse

LBIS Anti ss DNA-Mouse

LBIS Rheumatoid factor IgG type-Mouse

LBIS Rheumatoid factor IgM type-Mouse



Assay range: 15.6 - 1,000 mU/mL

■ Feature of the kit

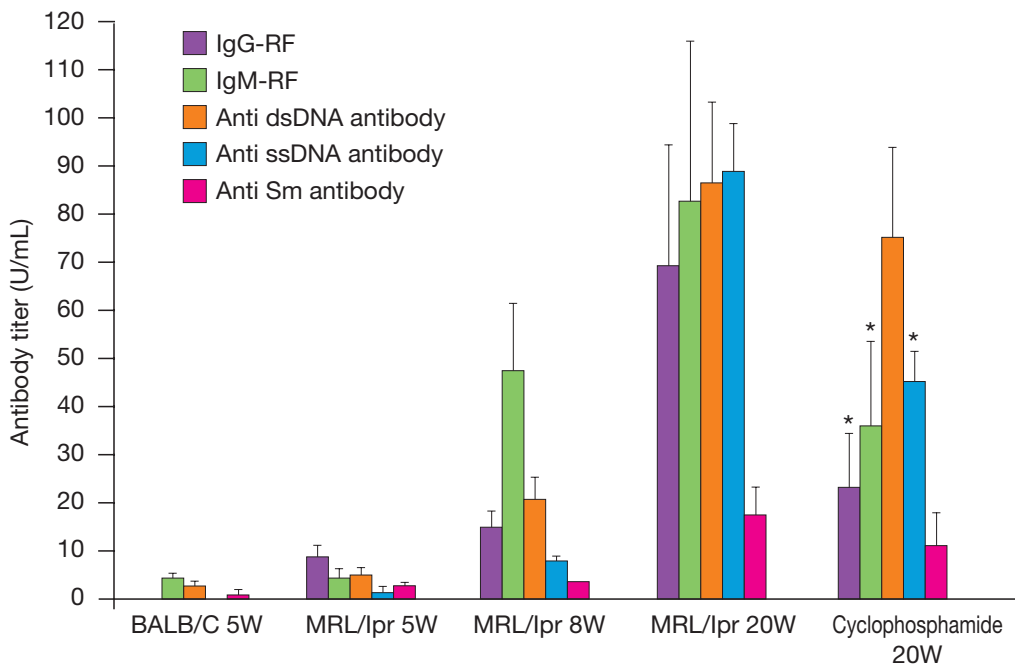
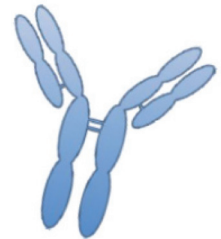
- Measurable in a short period
- A minute quantity of sample is measurable
- Eco-friendly preservatives are used
- All reagents are solution types and are ready to use
- High measurement accuracy and reproducibility

■ Accuracy test

Precision of assay : Mean CV<10%
Reproducibility : Mean CV<10%

■ Sample: serum or plasma

- Do not use heparin as anticoagulant.
- Do not use heat-inactivated samples.



Changes in autoantibody titers over time in MRL/lpr mice

Japanese journal of inflammation VOI.20 No.6, Nov. 2000

Autoantibody titers in serum of MRL/lpr mice (n = 7) were measured over time. In the clinical trial, antibody titers of IgG-RF antibody, IgM-RF antibody, and anti ssDNA were significantly inhibited compared to a 20-week-old MRL/lpr mouse (*p<0.05)

LBIS Albumin-mouse

LBIS Albumin-rat

Assay range: 50 - 1,000 ng/mL

■ Feature of the kit

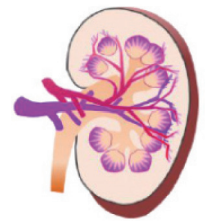
- Measurable in a short period (Total reaction time: 2 hours and 20 minutes)
- A minute quantity of sample is measurable (5 µL with a standard method of operating)
- Eco-friendly preservatives are used
- All reagents are solution types and are ready to use
- High measurement accuracy and reproducibility

■ Accuracy test

Precision of assay : Mean CV<10%
Reproducibility : Mean CV<10%

■ Sample: serum, plasma or urine

- Heparin is recommended to be used for collection of plasma.
- Samples are diluted within the range of measurement with the accompanying buffering solution. Rough indications of dilution are 10,000 to 50,000 times for a serum or plasma sample and 50 to 100 times for a urine sample.



	8W	12W	16W	20W	24W	32W	40W
MRL/lpr, ♂	8.9 (5.3)	3.7 (2.7)	30.1 (5.7)	3,504 (4,012)	2,100 (3,990)	No data	No data
MRL/lpr, ♀	2.5 (0.6)	4.5 (3.6)	2,055 (3,244)	435 (481)	436 (616)	No data	No data
NZBWF1, ♀	3.2 (3.0)	4.6 (2.0)	3.3 (2.2)	3.1 (1.8)	No data	476 (681)	3,471 (4,288)

Fresh urine, mean (SD), n = 6 (40W of NZBWF1 was n = 5), µg/mL

Turbidimetric Immuno Assay Kit (TIA Kit)

LBIS Urinary albumin-mouse (S-type)

LBIS Urinary albumin-rat (S-type)

■ Feature of the kit

- Measurement range
Mouse/rat 6.17 to 500 µg/mL
- Samples are urine or serum
- Special antibodies for each species (monkey/mouse/rat albumin) are used for a specific reaction
- Measurable in a short period (10 minutes) with a general-purpose biochemical autoanalyzer
- Wide measurement range with superior reproducibility
- It cannot be affected by manipulation because it is measured with an autoanalyzer
- Parameters for each autoanalyzer made by domestic manufacturers are being prepared (except a part of them)

■ Accuracy test

(Monkey, mouse, rat in common)

Precision of assay : Mean CV<7.5%
Reproducibility : Mean CV<7.5%



An image of LBIS Urinary albumin-rat (S-type)

FUJIFILM Wako Shibayagi Immuno assay series

[Immune system research field]

Wako code	Shibayagi code	Product name	Measurement range
631-02699	AKRDD-061	LBIS Anti dsDNA-Mouse ELISA Kit	15.6-1,000mU/mL
634-02709	AKRSD-051	LBIS Anti ssDNA-Mouse ELISA Kit	15.6-1,000mU/mL
637-02679	AKRRG-101	LBIS Rheumatoid Factor IgG-Mouse ELISA Kit	15.6-1,000mU/mL
634-02689	AKRRG-111	LBIS Rheumatoid Factor IgM-Mouse ELISA Kit	15.6-1,000mU/mL
633-02899	AKRIE-010	LBIS IgE Mouse ELISA Kit	1-100ng/mL
636-04349	AKRIE-011	LBIS IgE Rat ELISA Kit	1-100ng/mL
633-07659	AKRIE-030	LBIS OVA-IgE Mouse	1.88-120U/mL
630-07669	AKRIE-040	LBIS OVA-IgG1 Mouse	1.88-120mU/mL

Related products

[Albumin]

Wako code	Shibayagi code	Product name	Measurement range
638-04309	AKRAL-121	LBIS Albumin Mouse ELISA Kit	50-1,000ng/mL
635-04319	AKRAL-120	LBIS Albumin Rat ELISA Kit	50-1,000ng/mL
632-25569	AKRAL-021S	LBIS Mouse Urinary Albumin Assay Kit (S-type)	6.17-500µg/mL
638-25309	AKRAL-020S	LBIS Rat Urinary Albumin Assay Kit (S-type)	6.17-500µg/mL

[Insulin/Adiponectin]

Wako code	Shibayagi code	Product name	Measurement range
638-01489	AKRIN-011T	LBIS Mouse Insulin ELISA Kit	156-10,000pg/mL
633-23919	AKRIN-011RU	LBIS Mouse Insulin ELISA Kit (RTU)	100-12,000pg/mL
634-10379	AKRIN-011H	LBIS Mouse Insulin ELISA Kit (H-type)	0.5-100ng/mL
631-01479	AKRIN-010T	LBIS Rat Insulin ELISA Kit	156-10,000pg/mL
630-24149	AKRIN-010RU	LBIS Rat Insulin ELISA Kit (RTU)	100-12,000pg/mL
637-10629	AKRIN-010H	LBIS Rat Insulin ELISA Kit (H-type)	0.5-100ng/mL
638-13079	AKMAN-011	LBIS Mouse/Rat HMW Adiponectin ELISA Kit	3.13-200ng/mL

▲ Caution for safety

- The products on the brochure are research reagents. Please use only for the purpose of research. Do not use for the purpose of diagnosis or treatment.
- Keep the product in a cool dark place and use it by the expiration date.
- Use properly after reading the instructions thoroughly.
- Since the product contains sulfuric acid, be sure to handle it carefully.
- Follow the waste disposal method guidelines of the your institution after use.

manufactured by

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