

Highlights – Titin N-Fragment

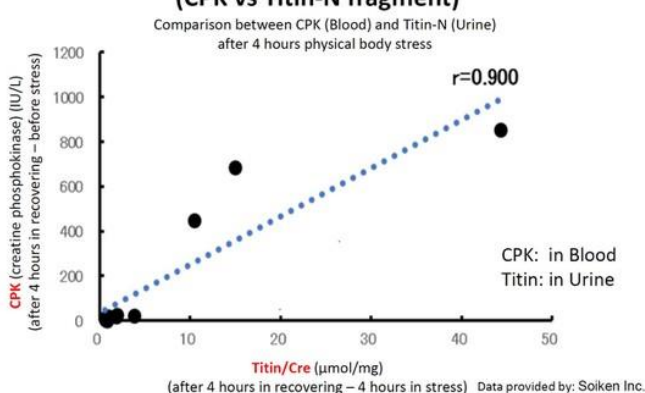
Dear Valued Customers,

We hope this newsletter finds you well. This summer, Tokyo Olympic/Paralympic will be held in Great Tokyo area, so the highlight of this newsletter is Titin-N Fragment related to muscle damage.

Titin, also known as Connection, is a long elastic protein mainly locates at cross striated muscle. Titin is cleaved and released into blood and urine when muscles are damaged. Titin-N Fragment is a useful tool in research of **sport medicine (muscle damage), ALS, NAFLD, cardiac disease, sarcopenia and frailty etc..**

Research in Muscle Damage

Good Correlation (CPK vs Titin-N fragment)



Possibility

Non-Invasive Biomarker for ALS

<https://pubmed.ncbi.nlm.nih.gov/33737450/>

The study reported that Urinary Titin N-fragment levels normalized with Cr (titin/Cr) were significantly high in ALS (Amyotrophic Lateral Sclerosis) patients, that were associated with the scores of motor functions ALSFRS-R ($r=-0.422$, $p<0.001$), and patients with high Titin N-fragment showed poor prognosis. [Lean More](#)

Titin N-Fragment Product Lineup

New Releases!

Mouse Titin N-Fragment ELISA

ELISA Kit:

[Human Titin N-Fragment Assay Kit - IBL \(#27900\)](#)

[Mouse Titin N-Fragment Assay Kit – IBL \(#27602\)](#)

**Not available in US due to third party's right*

New

Antibodies:

[Anti-Titin-N \(53A1\) Mouse IgG MoAb \(#10423\)](#)

[Anti-Titin-N \(144A2\) Mouse IgG MoAb \(#10425\)](#)

**These antibodies specifically react to human Titin N-Fragment and can be used in ELISA application.*



[Reference List](#)

[FAQ](#)



**Aging,
Neurodegenerative**

Alzheimer's disease (AD) etc.

Kidney Diseases

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

Inflammatory Diseases

Cancers, Arthritis, Hepatitis, etc.

**Glucose /
Lipid Metabolism**

Diabetes, Hyperlipidemia, Cardiovascular Events, etc.