



#27900 Titin N-Fragment Assay Kit - IBL 使用文献リスト

領域	内容	出版年	雑誌名
神経変性疾患	ALS	2021	Ratio of urinary N-terminal titin fragment to urinary creatinine is a novel biomarker for amyotrophic lateral sclerosis. Yamada S et al. J Neurol Neurosurg Psychiatry. 2021 Mar 18;jnnp-2020-324615. PMID: 33737450
神経筋疾患	FCMD	2021	Urinary titin as a biomarker in Fukuyama congenital muscular dystrophy. Sato T et al. Neuromuscul Disord. 2021 Jan 13;S0960-8966(21)00006-7.
神経筋疾患	DMD	2018	Diagnostic and clinical significance of the titin fragment in urine of Duchenne muscular dystrophy patients. Awano H et al. Clin Chim Acta. 2018 Jan;476:111-116. PMID: 29175173
神経筋疾患	小児DMD	2018	Receiver operating curve analyses of urinary titin of healthy 3-y-old children may be a noninvasive screening method for Duchenne muscular dystrophy. Matsuo M et al. Clin Chim Acta. 2018 Nov;486:110-114.PMID: 30053403
心疾患	心外科手術	2019	Urinary Titin Is Increased in Patients After Cardiac Surgery. Tanihata J et al. Front Cardiovasc Med. 2019 Feb 8;6:7.PMID: 30800662
心疾患	心筋症	2019	Titin in muscular dystrophy and cardiomyopathy: Urinary titin as a novel marker. Misaka T et al. Clin Chim Acta. 2019 Aug;495:123-128.PMID: 30959043
心疾患	心筋症	2018	Urinary N-terminal fragment of titin is a marker to diagnose muscular dystrophy in patients with cardiomyopathy. Yoshihisa A et al. Clin Chim Acta. 2018 Sep;484:226-230.PMID: 29870683
心疾患	拡張型心筋症	2018	Usefulness of Urinary N-Terminal Fragment of Titin to Predict Mortality in Dilated Cardiomyopathy. Yoshihisa A et al. Am J Cardiol. 2018 Feb 12. pii: S0002-9149(18)30192-9.PMID: 29523227
肝疾患	NAFLD	2019	Urinary Levels of Titin-N Fragment, a Skeletal Muscle Damage Marker, are Increased in Subjects with Nonalcoholic Fatty Liver Disease. Oshida N et al. Sci Rep. 2019 Dec 20;9(1):19498.PMID: 31862937
消化器疾患	悪性腫瘍	2020	Urinary titin N-terminal fragment concentration is an indicator of preoperative sarcopenia and nutritional status in patients with gastrointestinal tract and hepatobiliary pancreatic malignancies. Miyoshi K et al. Nutrition. Nov-Dec 2020;79-80:110957.PMID: 32866763
新生児医療	早期出産	2021	Assessment of catabolic state in infants with the use of urinary titin N-fragment. Fukushima S et al. Pediatr Res. 2021 Jul 17. doi: 10.1038/s41390-021-01658-5. Epub ahead of print. PMID: 34274960.
救急医療	リハビリテーション・栄養介入	2021	Novel protocol combining physical and nutrition therapies, Intensive Goal-directed REhabilitation with Electrical muscle stimulation and Nutrition (IGREEN) care bundle. Nakano H et al. Crit Care. 2021 Dec 4;25(1):415. PMID: 34863251
救急医療	脳卒中	2020	Elevated Urinary Titin and its Associated Clinical Outcomes after Acute Stroke. Ishihara M et al. J Stroke Cerebrovasc Dis. 2020 Dec 23;30(3):105561.PMID: 33360523
救急医療	ICU-AW	2020	Urine Titin N-fragment as a Biomarker of Muscle Injury for Critical Illness Myopathy. Nakano H et al. Am J Respir Crit Care Med. 2020 Oct 8.PMID: 33030965
救急医療	ICU-AW	2020	Urinary Titin Is a Novel Biomarker for Muscle Atrophy in Nonsurgical Critically Ill Patients: A Two-Center, Prospective Observational Study. Nakanishi N et al. Crit Care Med. 2020 Sep;48(9):1327-1333.PMID: 32706557
救急医療	ICU-AW	2020	Urine TITIN N-fragment as a Novel Biomarker for Critical Illness Myopathy: A Pilot Study. Hidehiko N et al. Crit Care. 2020 Apr 28;24(1):177.PMID: 32345334
スポーツ医学	運動後筋損傷	2021	Urinary N-terminal fragment of titin: A surrogate marker of serum creatine kinase activity after exercise-induced severe muscle damage.Tanabe Y et al. J Sports Sci. 2021 Mar 16:1-8. PMID: 33722155
スポーツ医学	試合中筋損傷	2020	Urinary N-Terminal Fragment of Titin Reflects Muscle Damage After a Soccer Match in Male Collegiate Soccer Players. Tanabe Y et al. J Strength Cond Res. 2020 Dec 17;Publish Ahead of Print. PMID: 33337691.
スポーツ医学	伸展性運動	2020	Changes in Urinary Titin N-terminal Fragment Concentration after Concentric and Eccentric Exercise. Yamaguchi S et al. J Sports Sci Med. 2020 Feb 24;19(1):121-129. eCollection 2020 Mar.PMID: 32132835
スポーツ医学	トレーニング 効果	2019	Changes in urinary titin N-terminal fragments as a biomarker of exercise-induced muscle damage in the repeated bout effect. Yamaguchi S et al. J Sci Med Sport. 2019 Dec 23. pii: S1440-2440(19)31246-0.PMID: 31928880
その他	総説	2019	Titin fragment in urine: A noninvasive biomarker of muscle degradation. Matsuo M et al. Adv Clin Chem. 2019;90:1-23.PMID: 31122607
その他	系樹立論文	2016	Establishment of a highly sensitive sandwich ELISA for the N-terminal fragment of titin in urine. Maruyama N et al. Sci Rep. 2016 Dec 19;6:39375