

## 【プロテオセーブ®SS 論文リスト】

2020年5月13日

住友ベークライト株式会社

### ○Purification and analysis of proteins

SAMESHIMA-YAMASHITA, Yuka, et al. Construction of a *Pseudozyma antarctica* strain without foreign DNA sequences (self-cloning strain) for high yield production of a biodegradable plastic-degrading enzyme. *Bioscience, biotechnology, and biochemistry*, 2019, 83.8: 1547-1556.

URL: <https://www.tandfonline.com/doi/full/10.1080/09168451.2019.1571898>

Sample Type: 酵素(エステラーゼ)

HONJO, Megumi, et al. Autotaxin-lysophosphatidic acid pathway in intraocular pressure regulation and glaucoma subtypes. *Investigative ophthalmology & visual science*, 2018, 59.2: 693-701.

URL: <https://iovs.arvojournals.org/article.aspx?articleid=2671878>

Product Format: Slimtube (スリムチューブ)

Sample Type: 緑内障患者の術前房水

ISHII, Takashi, et al. Increased cerebrospinal fluid complement C5 levels in major depressive disorder and schizophrenia. *Biochemical and biophysical research communications*, 2018, 497.2: 683-688.

URL: <https://www.sciencedirect.com/science/article/abs/pii/S0006291X18303620?via%3Dihub>

Product Format: Conicaltube (遠沈管)

MATSUMURA, Takayuki, et al. Venom and Antivenom of the Redback Spider (*Latrodectus hasseltii*) in Japan. Part I. Venom Extraction, Preparation, and Laboratory Testing. *Japanese journal of infectious diseases*, 2018, 71.2: 116-121.

URL:

[https://pdfs.semanticscholar.org/659d/ee88c29d09a2d95792b144e28afd353da848.pdf?\\_ga=2.235472321.1561058410.1587003844-111072788.1587003844](https://pdfs.semanticscholar.org/659d/ee88c29d09a2d95792b144e28afd353da848.pdf?_ga=2.235472321.1561058410.1587003844-111072788.1587003844)

Product Format: Conicaltube (遠沈管)

Sample Type: セアカゴケグモの毒腺から抽出された毒物

KINOSHITA, Shigeru, et al. Injection of cultured cells with a ROCK inhibitor for bullous keratopathy. *New England Journal of Medicine*, 2018, 378.11: 995-1003.

URL:

[https://www.nejm.org/doi/full/10.1056/NEJMoa1712770?url\\_ver=Z39.88-2003&rfr\\_id=ori%3Arid%3Aacrossref.org&rfr\\_dat=cr\\_pub++0pubmed](https://www.nejm.org/doi/full/10.1056/NEJMoa1712770?url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Aacrossref.org&rfr_dat=cr_pub++0pubmed)

Sample Type:角膜内皮細胞

KOBAYASHI, Jun, et al. Effect of temperature changes on serum protein adsorption on thermoresponsive cell-culture surfaces monitored by a quartz crystal microbalance with dissipation. *International journal of molecular sciences*, 2018, 19.5: 1516.

URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5983614/>

Sample Type: fibronectin, BSA

HIDESE, Shinsuke, et al. Cerebrospinal fluid neural cell adhesion molecule levels and their correlation with clinical variables in patients with schizophrenia, bipolar disorder, and major depressive disorder. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 2017, 76: 12-18.

URL: <https://www.sciencedirect.com/science/article/abs/pii/S0278584616301890?via%3Dihub>

Product Format: Conicaltube (遠沈管)

Sample Type: 脳脊髄液中の神経細胞接着分子

OBAYASHI, Yumiko; WEI BONG, Chui; SUZUKI, Satoru. Methodological Considerations and Comparisons of Measurement Results for Extracellular Proteolytic Enzyme Activities in Seawater. *Frontiers in microbiology*, 2017, 8: 1952.

URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5641328/>

Product Format: 96F Black Plate (96 平底黒色プレート)

Sample Type: 海水中のプロテアーゼ

ARISAKA, Yoshinori, et al. A heparin-modified thermoresponsive surface with heparin-binding epidermal growth factor-like growth factor for maintaining hepatic functions in vitro and harvesting hepatocyte sheets. *Regenerative Therapy*, 2016, 3: 97-106.

URL: <https://www.sciencedirect.com/science/article/pii/S2352320416000262>

Product Format: Microtube (マイクロチューブ)

Sample Type: heparin-binding epidermal growth factor-like growth factor (HB-EGF) (EGFファミリーに属するヘパリン結合性の増殖因子)

PANDEY, Kiran; NAHAR, Ashrafun; KADOKAWA, Hiroya. Method for isolating pure bovine gonadotrophs from anterior pituitary using magnetic nanoparticles and

anti-gonadotropin-releasing hormone receptor antibody. *Journal of Veterinary Medical Science*, 2016, 78.11: 1699–1702.

URL: [https://www.jstage.jst.go.jp/article/jvms/78/11/78\\_16-0157/\\_article/-char/ja/](https://www.jstage.jst.go.jp/article/jvms/78/11/78_16-0157/_article/-char/ja/)

Product Format: Microtube (マイクロチューブ)

Sample Type: Anterior pituitary cells (脳下垂体前葉細胞)

YOSHIMOTO, Shogo, et al. An Acinetobacter trimeric autotransporter adhesin reaped from cells exhibits its nonspecific stickiness via a highly stable 3D structure. *Scientific Reports*, 2016, 6.

URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4910087/>

Product Format: Conicaltube (遠沈管)

Sample Type: Trimeric autotransporter adhesins (グラム陰性菌の外膜タンパク質)

KUBOTA, Hiroyuki, et al. Reduction in IgE reactivity of Pacific mackerel parvalbumin by heat treatment. *Food chemistry*, 2016, 206: 78–84.

URL: [https://linkinghub.elsevier.com/retrieve/pii/S0308-8146\(16\)30396-X](https://linkinghub.elsevier.com/retrieve/pii/S0308-8146(16)30396-X)

Sample Type: アレルゲンタンパク質 (Parvalbumin)

IZAKI, Shunsuke, et al. Feasibility of Antibody–Poly (Glutamic Acid) Complexes: Preparation of High-Concentration Antibody Formulations and Their Pharmaceutical Properties. *Journal of pharmaceutical sciences*, 2015, 104.6: 1929–1937.

URL: <https://www.sciencedirect.com/science/article/abs/pii/S0022354915300770>

Product Format: Microtube (マイクロチューブ)

Sample Type: Antibody – polyE1 (poly-L-glutamic acid) complex (抗体と polyE1 の複合体)

HATTORI, Kotaro, et al. Increased cerebrospinal fluid fibrinogen in major depressive disorder. *Scientific reports*, 2015, 5: 11412.

URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4469953/>

Product Format: Conicaltube (遠沈管)

Sample Type: 脳脊髄液及びそこから得られた精製物

WATANABE, H., et al. Controlled release of a protein using a ceramic carrier and zinc ions as a novel approach to the treatment of osteoporosis. In: *Key Engineering Materials*. 2015. p. 332–337.

URL:

[https://www.researchgate.net/publication/281910786\\_Controlled\\_Release\\_of\\_a\\_Protein\\_Using\\_a\\_Ceramic\\_Carrier\\_and\\_Zinc\\_Ions\\_as\\_a\\_Novel\\_Approach\\_to\\_the\\_Treatment\\_of\\_Osteoporosis](https://www.researchgate.net/publication/281910786_Controlled_Release_of_a_Protein_Using_a_Ceramic_Carrier_and_Zinc_Ions_as_a_Novel_Approach_to_the_Treatment_of_Osteoporosis)

Product Format: Conicaltube (遠沈管)

Sample Type: OPG(破骨細胞形成抑制因子)

ICHIKAWA, Shunsuke, et al. Cellulosomal carbohydrate-binding module from *Clostridium josui* binds to crystalline and non-crystalline cellulose, and soluble polysaccharides. *FEBS letters*, 2014.

URL: <https://www.sciencedirect.com/science/article/pii/S0014579314006590>

Product Format: Microtube(マイクロチューブ)

Sample Type: carbohydrate-binding modules(CBM)(炭水化物結合モジュール)

KADOKAWA, Hiroya, et al. Gonadotropin-releasing hormone (GnRH) receptors of cattle aggregate on the surface of gonadotrophs and are increased by elevated GnRH concentrations. *Animal reproduction science*, 2014, 150.3: 84-95.

URL: <https://www.sciencedirect.com/science/article/abs/pii/S037843201400284X#!>

Product Format: Microtube(マイクロチューブ)

KIM, Jong-Myong, et al. Highly Reproducible ChIP-on-Chip Analysis to Identify Genome-Wide Protein Binding and Chromatin Status in *Arabidopsis thaliana*. In: *Arabidopsis Protocols*. Humana Press, 2014. p. 405-426.

URL: [https://dx.doi.org/10.1007/978-1-62703-580-4\\_22](https://dx.doi.org/10.1007/978-1-62703-580-4_22)

Product Format: Conicaltube(遠沈管)

Sample Type:シロイヌナズナ

TAKAO, Masashi; NAGAI, Yutaka; TORII, Tokiji. Cysteine-Poor Region-Specific EpCAM Monoclonal Antibody Recognizing Native Tumor Cells with High Sensitivity. *Monoclonal antibodies in immunodiagnosis and immunotherapy*, 2013, 32.2: 73-80.

URL: <https://www.liebertpub.com/doi/pdf/10.1089/mab.2012.0082>

Product Format: Microtube(マイクロチューブ)

YASUNO, K., et al. Development of Podocyte Injuries in Osborne-Mendel Rats is Accompanied by Reduced Expression of Podocyte Proteins. *Journal of comparative pathology*, 2013, 149.2: 280-290.

URL: <https://www.sciencedirect.com/science/article/abs/pii/S0021997513000297>

Product Format: Microtube(マイクロチューブ)

朝本紘充; 南澤宏明; 今井一洋. 発蛍光誘導体化試薬を用いる蛍光検出 HPLC による老齡ラット海馬のプロテオミクス解析. *分析化学*, 2012, 61.6: 547-553.

URL: [https://www.jstage.jst.go.jp/article/bunsekikagaku/61/6/61\\_547/\\_pdf](https://www.jstage.jst.go.jp/article/bunsekikagaku/61/6/61_547/_pdf)

Product Format: Microtube (マイクロチューブ)

Sample Type: ラット海馬組織由来タンパク

KUROKAWA, Kenji, et al. Novel bacterial lipoprotein structures conserved in low-GC content Gram-positive bacteria are recognized by Toll-like receptor 2. *Journal of Biological Chemistry*, 2012, 287.16: 13170–13181.

URL: <https://www.jbc.org/content/287/16/13170.full.pdf>

Product Format: Microtube (マイクロチューブ)

Sample Type: バクテリアのリポタンパク質

FUKUMOTO, Hiroaki, et al. High-molecular-weight  $\beta$ -amyloid oligomers are elevated in cerebrospinal fluid of Alzheimer patients. *The FASEB Journal*, 2010, 24.8: 2716–2726.

URL: <https://www.fasebj.org/doi/pdf/10.1096/fj.09-150359>

Product Format: Microtube (マイクロチューブ)

Sample Type: アミロイドベータオリゴマー混合物

GOTOH, Akiko, et al. Evaluation of adsorption of urine cystatin C to the polymer materials on the microplate by an antigen capture enzyme-linked immunosorbent assay. *Clinica Chimica Acta*, 2008, 397.1: 13–17.

URL: <https://www.sciencedirect.com/science/article/abs/pii/S0009898108003355?via%3Dihub>

Sample Type: 尿中タンパク質 (Cystatin C)