

CONTENTS Vol. 142, No. 4

Regular Papers

Mechanistic Analysis of the Phosphonate Transition-state Analogue-derived Catalytic and Non-catalytic Antibody	Y. Nishi, N. Yamamoto, K. Shimazaki, N. Takahashi-Ando, H. Kakinuma, S. Jialin, S.N. Ruzhenikov, T.A. Muranova, D.W. Rice and Y. Kajihara	421
SerpinB6 is an Inhibitor of Kallikrein-8 in Keratinocytes	F.L. Scott, J. Sun, J.C. Whisstock, K. Kato and P.I. Bird	435
Regulatory Factors Involved in Species-specific Modulation of Arylhydrocarbon Receptor (AhR)-dependent Gene Expression in Humans and Mice	T. Suzuki and K. Nohara	443
Haeme-regulated Degradation of δ -Aminolevulinate Synthase 1 in Rat Liver Mitochondria	K. Yoshino, H. Munakata, O. Kuge, A. Ito and T. Ogishima	453
Systematic Comparison of Oligosaccharide Specificity of <i>Ricinus communis</i> Agglutinin I and <i>Erythrina</i> Lectins: a Search by Frontal Affinity Chromatography	Y. Itakura, S. Nakamura-Tsuruta, J. Kominami, N. Sharon, K.-i. Kasai and J. Hirabayashi	459
Functional and Stable Expression of Recombinant Human FOXP3 in Bacterial Cells and Development of Antigen-specific Monoclonal Antibodies	S. Hu, J. Dai, H. Wei, K. Fan, H. Wang, D. Zhang, W. Qian, B. Li, H. Wang, T. Zhu, Y. Zhang and Y. Guo	471
Characterization of Native Myosin VI Isolated from Sea Urchin Eggs	S. Sakata, Y. Watanabe, J. Usukura and I. Mabuchi	481
Function-unknown Glycoside Hydrolase Family 31 Proteins, mRNAs of which were Expressed in Rice Ripening and Germinating Stages, are α -Glucosidase and α -Xylosidase	H. Nakai, S. Tanizawa, T. Ito, K. Kamiya, Y.-M. Kim, T. Yamamoto, K. Matsubara, M. Sakai, H. Sato, T. Imbe, M. Okuyama, H. Mori, Y. Sano, S. Chiba and A. Kimura	491
Recombinant Sea Urchin Flagellar Adenylate Kinase	M. Kinukawa and V.D. Vacquier	501
Protein Thermostabilization Requires a Fine-tuned Placement of Surface-charged Residues	D.-J. You, S. Fukuchi, K. Nishikawa, Y. Koga, K. Takano and S. Kanaya	507
Structural Evidence for Endocrine Disruptor Bisphenol A Binding to Human Nuclear Receptor ERR γ	A. Matsushima, Y. Kakuta, T. Teramoto, T. Koshiba, X. Liu, H. Okada, T. Tokunaga, S.-i. Kawabata, M. Kimura and Y. Shimohigashi	517
Prolactin-dependent Expression of GD1 α Ganglioside, as a Component of Milk Fat Globule, in the Murine Mammary Glands	M. Momoeda, S. Fukuta, Y. Iwamori, Y. Taketani and M. Iwamori	525
The Carboxyl-terminal Region of the Geranylgeranyl Diphosphate Synthase is Indispensable for the Stabilization of the Region Involved in Substrate Binding and Catalysis	Y. Matsumura, T. Kidokoro, Y. Miyagi, N.R. Marilingaiah and H. Sagami	533
Luciferase from <i>Vibrio campbellii</i> is more thermostable and binds reduced FMN better than its homologues	C. Suadee, S. Nijvipakul, J. Svasti, B. Entsch, D.P. Ballou and P. Chaiyen	539