

CONTENTS Rearranged According to Subject Categories, Vol. 151, No. 1

JB COMMENTARY

- Ectodomain shedding of HB-EGF: A potential target for cancer therapy K. Miyazono 1

JB REVIEWS

- Featured article of the month.** Ubiquitin-mediated modulation of the cytoplasmic viral RNA sensor RIG-I H. Oshiumi, M. Matsumoto and T. Seya 5
- Featured article of the month.** New families of carboxyl peptidases: serine-carboxyl peptidases and glutamic peptidases K. Oda 13

BIOCHEMISTRY

Biochemistry General

- The binding site of bisphenol A to protein disulphide isomerase S. Hashimoto, K. Shiimoto, K. Okada and S. Imaoka 35
- Inhibitory effect of sulphated polysaccharide porphyran on nitric oxide production in lipopolysaccharide-stimulated RAW264.7 macrophages Z. Jiang, Y. Hama, K. Yamaguchi and T. Oda 65

Protein Interaction and Recognition

- Microtubule-associated protein 4 binds to actin filaments and modulates their properties K. Matsushima, K. Tokuraku, M.R. Hasan and S. Kotani 99

Glycobiology and Carbohydrate Biochemistry

- Comparison of human blood concentrations of collectin kidney 1 and mannan-binding lectin T. Yoshizaki, K. Ohtani, W. Motomura, S.-J. Jang, K.-i. Mori, N. Kitamoto, I. Yoshida, Y. Suzuki and N. Wakamiya 57

Lipid Biochemistry

- Identification and biochemical characterization of a novel autotaxin isoform, ATX δ , with a four-amino acid deletion T. Hashimoto, S. Okudaira, K. Igarashi, K. Hama, Y. Yatomi and J. Aoki 89

Enzyme Inhibitors

- Characterization of kinase inhibitors using different phosphorylation states of colony stimulating factor-1 receptor tyrosine kinase D. Kitagawa, M. Gouda, Y. Kirii, N. Sugiyama, Y. Ishihama, I. Fujii, Y. Narumi, K. Akita and K. Yokota 47

Physiological Chemistry

- Drug solubilization effect of lauroyl-L-glutamate R. Arika, A. Hirano, T. Arakawa and K. Shiraki 27

Biochemical Pharmacology

- Iron overload inhibits calcification and differentiation of ATDC5 cells T. Ohno, N. Hashimoto, K. Mitsui, H. Nishimura and H. Hagiwara 109

MOLECULAR BIOLOGY

Molecular Biology General

- Nucleosome exclusion from the interspecies-conserved central AT-rich region of the *Ars* insulator H. Takagi, Y. Inai, S.-i. Watanabe, S. Tatemoto, M. Yajima, K. Akasaka, T. Yamamoto and N. Sakamoto 75