

[2005]

- Matsushima N., Tachi N., Kuroki Y., Enkhbayar P., Osaki M., Kamiya M. & Kretsinger R. H. Structural analysis of leucine-rich repeat variants in proteins associated with human diseases. *Cell. Mol. Life Sci.* **62**: 2771-2791.
- Nishitani C., Mitsuzawa H., Hyakushima N., Sano H., Matsushima N. & Kuroki Y. The Toll-like receptor 4 region Glu²⁴-Pro³⁴ is critical for interaction with MD-2. *Biochem. Biophys. Res. Commun.* **328**: 586-590.
- Iwaki D., Nishitani C., Mitsuzawa H., Hyakushima N., Sano H. & Kuroki Y. The CD14 region spanning amino acids 57-64 is critical for interaction with the extracellular Toll-like receptor 2 domain. *Biochem. Biophys. Res. Commun.* **328**: 173-176.
- Sano H. & Kuroki Y. The lung collectins, SP-A and SP-D, modulate pulmonary innate immunity. *Mol. Immunol.* **42**: 279-287.

[2004]

- Betsuyaku T., Kuroki Y., Nagai K., Nasuhara Y. & Nishimura M. Effects of ageing and smoking on SP-A and SP-D levels in bronchoalveolar lavage fluid. *Eur. Respir. J.* **24**: 964-970.
- Hyakushima N., Mitsuzawa H., Nishitani C., Sano H., Kuronuma K., Konishi M., Himi T., Miyake K. & Kuroki Y. Interaction of soluble form of recombinant extracellular TLR4 domain with MD-2 enables lipopolysaccharide binding and attenuates TLR4-mediated signaling. *J. Immunol.* **173**: 6949-6954.
- Kudo K., Sano H., Takahashi H., Kuronuma K., Yokota S., Fujii N., Shimada K., Yano I., Kumazawa Y., Voelker D. R., Abe S. & Kuroki Y. Pulmonary collectins enhance phagocytosis of Mycobacterium avium through increased activity of mannose receptor. *J. Immunol.* **172**: 7592-7602.
- Kuronuma K., Sano H., Kato K., Kudo K., Hyakushima N., Yokota S., Takahashi H., Fujii N., Suzuki H., Kodama H., Abe S. & Kuroki Y. Pulmonary surfactant protein A augments the phagocytosis of Streptococcus pneumoniae by alveolar macrophages through a casein kinase 2-dependent increase of cell surface localization of scavenger receptor A. *J. Biol. Chem.* **279**: 21421-21430.
- Okusawa T., Fujita M., Nakamura J. I., Into T., Yasuda M., Yoshimura A., Hara Y., Nasebe A., Golenbock D. T., Morita M., Kuroki Y., Ogawa T. & Shibata K. I. Relationship between structures and biological activities of Mycoplasma diacylated lipopeptides and their recognition by Toll-like receptor 2 and 6. *Infect. Immun.* **72**: 1657-1665.

[2003]

- Fujita M., Into T., Yasuda M., Okusawa T., Hamahira S., Kuroki Y., Eto A., Nisizawa T., Morita M. & Shibata K. Involvement of leucine residues at positions 107, 112, and 115 in a leucine-rich repeat motif of human Toll-like receptor 2 in the recognition of diacylated lipoproteins and lipopeptides and Staphylococcus aureus peptidoglycans. *J. Immunol.* **171**: 3675-3683
- Sano H., Nagai K., Tsutsumi H. & Kuroki Y. Lactoferrin and surfactant protein A exhibit distinct binding specificity to F protein and differently modulate respiratory syncytial virus infection. *Eur. J. Immunol.* **33**: 2894-2902.
- Sato M., Sano H., Iwaki D., Kudo K., Konishi M., Takahashi H., Takahashi T., Imaizumi H., Asai Y. & Kuroki Y. Direct binding of Toll-like receptor 2 to zymosan, and zymosan-induced NF- κ B activation and TNF- α secretion are down-regulated by lung collection surfactant protein A. *J. Immunol.* **171**: 417-425

[2002]

- Murakami S., Takahashi H., Kudo K., Shiratori M., Fujishima T., Sano H., Kuroki Y. & Abe S. Surfactant protein A (SP-A) inhibits peptidoglycan-induced cellular responses. *Proc. Airway Secretion Res.* vol. **IV**: 37-44.
- Greene K. E., King T. E. Jr, Kuroki Y., Bucher-Bartelson B., Hunninghake G. W., Newman L. S., Nagae H. & Mason R. J. Serum surfactant protein-A and -D as biomarkers in idiopathic pulmonary fibrosis. *Eur. Respir. J.* **19**: 439-446
- Ohkawa H., Sohma H., Sakai R., Kuroki Y., Hashimoto E., Murakami S. & Saito T. Ethanol-induced augmentation of Annexin IV in cultured cells and the enhancement of cytotoxicity by overexpression of annexin IV by ethanol. *Biochem. Biophys. Acta* **1588**: 217-225.
- Takezawa C., Takahashi H., Fujishima T., Shiratori M., Morita Y., Sano H., Kuroki Y. & Abe S. Assessment of differentiation in adenocarcinoma cells from pleural effusion by peripheral airway cell markers and their diagnostic values. *Lung Cancer* **38**: 273-281.
- Iwaki D., Mitsuzawa H., Murakami S., Sano H., Konishi M., Akino T. & Kuroki Y. The extracellular toll-like receptor 2 domain directly binds peptidoglycan derived from Staphylococcus aureus. *J. Biol. Chem.* **277**: 24315-24320.
- Murakami S., Iwaki D., Mitsuzawa H., Sano H., Takahashi H., Voelker D. R., Akino T. & Kuroki Y. Surfactant protein A inhibits peptidoglycan-induced Tumor Necrosis Factor- α secretion in U937 cells and alveolar macrophages by direct interaction with Toll-like receptor 2. *J. Biol. Chem.* **277**: 6830-6837.

[2001]

- Himi T., Mitsuzawa H., Harimaya A., Konishi M., Yamazaki N., Kuroki Y. & Fujii N. The role of cytokine and chemokine in Otitis Media. *Proceedings of OTITIS MEDIA 2001 in Sendai* 81-85.
- Mitsuzawa H., Wada I., Sano H., Iwaki D., Murakami S., Himi T., Matsushima N. & Kuroki Y. Extracellular Toll-like receptor 2 region containing Ser⁴⁰-Ile⁶⁴ but not Cys³⁰-Ser³⁹ is critical for the recognition of Staphylococcus aureus peptidoglycan. *J. Biol. Chem.* **276**: 41350-41356.
- Sohma H., Creutz C. E., Gasa S., Ohkawa H., Akino T. & Kuroki Y. Differential lipid specificities of repeated domains of annexin IV. *Biochem. Biophys. Acta* **1546**: 205-215.
- Sohma H., Okawa H., Hashimoto E., Toki S., Ozawa H., Kuroki Y. & Saito T. Alteration of annexin IV expression in alcoholics. *Clin. Exp. Res.* **25**: 55S-58S.
- Sohma H., Ohkawa H., Akino T. & Kuroki Y. Binding of annexins to lung lamellar bodies and the PMA-stimulated secretion of annexin V from alveolar type II cells. *J. Biochem.* **130**: 449-455.
- Chiba H., Sano H., Iwaki D., Murakami S., Mitsuzawa H., Takahashi T., Konishi M., Takahashi H. & Kuroki Y. Rat mannose-binding protein A binds CD14. *Infect. Immun.* **69**: 1587-1592.
- Maeda T., Maeda A., Maruyama I., Ogawa K., Kuroki Y., Sahara H., Sato N. & Ohguro H. Mechanisms of photoreceptor cell death in cancer-associated retinopathy; effect of anti-recoverin antibody on rhodopsin phosphorylation and roles of aberrant expression of recoverin in cancerous cells. *Invest. Ophthalm. Vis. Sci.* **42**: 705-712.
- Maeda A., Ohguro H., Nabeta Y., Hirohashi Y., Sahara H., Maeda T., Wada Y., Sato T., Chyuns Y., Nishimura Y., Torigoe T., Kuroki Y. & Sato N. Identification of human antitumor cytotoxic T lymphocytes epitopes of recoverin, a cancer-associated retinopathy antigen, possibly related with a better prognosis in a paraneoplastic syndrome. *Eur. J. Immunol.* **31**: 563-572.
- Takahashi H., Imai Y., Fujishima T., Shiratori M., Murakami S., Chiba H., Kon H., Kuroki Y. & Abe S. Diagnostic significance of surfactant proteins A and D in sera from patients with radiation pneumonitis. *Eur. Respir. J.* **17**: 481-487.