

中国免疫学杂志
二〇一八年
第三十四卷
第八期



中文核心期刊
中国科技核心期刊
中国科学引文数据核心库来源期刊

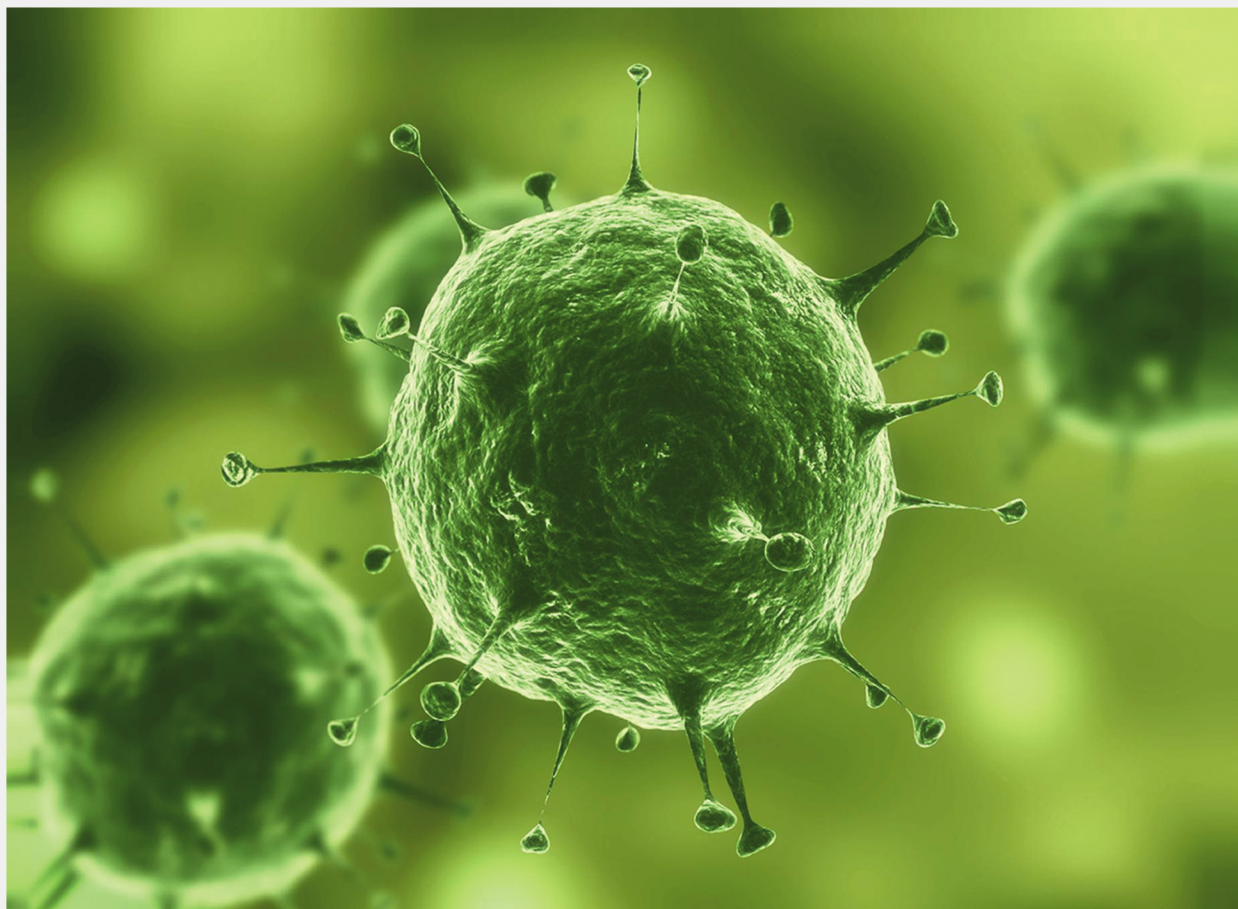
ISSN 1000-484X
CN 22-1126/R



Chinese Journal of Immunology

中国免疫学杂志®

ZHONG GUO MIAN YI XUE ZA ZHI



ISSN 1000-484X



中国免疫学会会刊

万方数据

2018 **8**

August 2018

第34卷 第8期
Volume34 Number8

中国免疫学杂志

Zhongguo Mianyixue Zazhi

月刊 1985年1月创刊 第34卷 第8期 2018年8月20日出版

中国自然科学核心期刊

主管
中国科学技术协会

主办
中国免疫学会
100005,北京市东单三条5号
吉林省医学期刊社
130061,长春市建政路971号

编辑
中国免疫学杂志编辑委员会
130061,长春市建政路971号
电话(传真):(0431)88925027
E-mail:zhmizazh@126.com
网址:www.immune99.com
www.中国免疫学.中国

主编 田志刚

编辑部主任 许四平

责任编辑 倪鹏

出版
中国免疫学杂志编辑部
130061,长春市建政路971号
电话:(0431)88925027

广告经营许可证
2200041001010

印刷
吉林方鼎印业有限公司

发行
国内:长春市报刊发行局
国外:中国国际图书贸易总公司
(北京399信箱,100044)
代号 M6689

订 阅
全国各地邮局
邮发代号 12-89

邮 购
中国免疫学杂志编辑部
130061,长春市建政路971号
电话(传真):(0431)88925027
E-mail:zhmizazh@126.com

定 价(国内)
单价 18.00 元,全年 216.00 元

中国标准连续出版物号
ISSN 1000-484X
CN 22-1126/R

如有印装质量问题,请向编辑部调换

目次

专家述评

非人灵长类动物:免疫学基础研究到临床应用的桥梁
..... 郑宏毅 郑永唐(1121)

基础免疫学

DENV-2 诱导 HUVECs 自噬和影响细胞活力的研究
..... 毛佳璇 左 丽 孔维莹等(1131)

Th17/Treg 相关因子对 T84 细胞单层模拟的肠黏膜屏障
通透性的影响 贺 欣 张目涵 路 瑶等(1137)

重组法国梧桐花粉过敏原 2(rPla a2)对诱导型一氧化氮
合酶(NOS2)基因启动子活性及基因表达的影响
..... 乔笑芹 王进雅 路 康等(1143)

科罗索酸增强右美托咪定对链尿佐菌素诱导的糖尿病大鼠
心肌氧化应激和凋亡的保护作用
..... 姜 华 王维强 魏桂花(1148)

Lactobacillus rhamnosus ATCC53103 和 Escherichia coli
ATCC8739 对结直肠癌细胞 CT26 增殖及凋亡的影响
..... 郑 芸 钱秀萍 陈代杰等(1153)

牡荆葡基黄酮调节 TAK1/AMPK 通路增强人肝癌细胞的
放射敏感性 苏书娟(1158)

抑制或过表达 GRK5 基因对星形胶质细胞凋亡及 IL-1 β 和
TNF- α 表达的影响 贾 蕾 史 娟(1163)

中医中药与免疫

抗流感病毒性肺炎的有效中药复方筛选及机制研究
..... 李 玲 吴佳敏 欧阳建军等(1168)

黄芪多糖对 LPS 诱导流产大鼠子宫巨噬细胞的影响及
机制研究 郑 燕 王 娜 刘静乔等(1174)

归肾丸对卵巢早衰小鼠细胞免疫的影响 李鲁宏 李志超 洪文婷(1178)

羚羊角与钩藤联合用药抑制热性惊厥大鼠脑损伤作用机制研究 帅云飞 谢静 李鑫等(1183)

生物治疗

FGF2 人源化单抗 E12 及其联合顺铂/紫杉醇体外抑制乳腺癌细胞增殖作用的研究
..... 张宇 黄建芳 徐萌等(1187)

过表达或抑制肿瘤相关巨噬细胞 B7-H1 基因对卵巢癌增殖侵袭的机制研究
..... 瞿秋红 韦立蓓 尹伶(1195)

免疫学技术与方法

人 CD4 胞外区蛋白在杆状病毒-昆虫细胞系统中的表达纯化及性质鉴定
..... 乔佳明 张芝晴 张振勇等(1201)

噬菌体文库与计算机模拟筛选 H1N1 流感病毒血凝素结合位点的比较
..... 李慧瑾 连媛媛 孙丽君等(1206)

临床免疫学

PD-L1 表达与胃癌发生发展的相关性 Meta 分析 钮佳宁 梁俏美 沈佳程等(1211)

伊洛前列素对 ILC2s 介导的小鼠急性过敏性气道炎症的作用研究 李倩阳 杨柳 赵坤宇等(1217)

孟鲁司特对过敏性紫癜小鼠炎症因子的影响及其作用机制 杨云 马喜兴 王大虎等(1222)

肠道益生菌联合人免疫球蛋白治疗重症手足口病的疗效分析及对肠黏膜屏障
功能的影响 柯胜忠 张多(1226)

STC2 基因在乳腺癌中的表达及抑制其表达对癌细胞生物学特性的影响研究
..... 吴焕良 苏亚静 吴大平(1230)

甲状腺癌患者外周血及肿瘤组织中 IL-8 的表达及其作用的初步研究
..... 沈小波 任汉强 陈伟等(1237)

带状疱疹患者血浆 S100 β 蛋白、NSE、免疫球蛋白及病毒载量与病情严重程度的
相关性研究 田秘 陈韩 王敏健(1242)

低分子肝素对重症肺炎患者体内细胞因子的影响 闫百灵 唐颖 付尧等(1247)

教学园地

临床能力与科研能力培养并重,推进“5+3”一体化学生医学免疫学的实践教学改革
..... 付海英 杨巍 王艳玲等(1251)

在线开放课程在《医学免疫学》教学中的应用与思考 张国俊 孙爱平 赵铁锁等(1254)

专题综述

非 HLA 抗体在肾脏移植中作用的研究进展 杨关印 连鑫 周洪澜等(1258)

P120 连环蛋白参与细胞炎症反应的研究进展 江金文 刘会云 李美华(1264)

CD4⁺CD25⁺ Treg 细胞分泌外泌体在疾病中作用的研究进展 曹启江 周奕辰 王金岩(1268)

用于重组药物蛋白生产的人源化细胞系研究进展 李琴 王天云 王小引等(1274)

新细胞因子 CYTL1 在骨关节炎中的功能和机制进展 迟少毅 于泽 董乐乐(1278)

征稿征订

Chinese Journal of Immunology

Monthly Established in January 1985 Volume 34 Number 8, August 20, 2018

Responsible Institution

China Association for Science and
Technology

Sponsor

Chinese Society of Immunology
5, Dongdan Santiao, Beijing 100005,
China

Medical Periodical Society of Jilin
971, Jianzheng Road, Changchun
130061, China

Editing

Editorial Board of Chinese Journal of
Immunology
971, Jianzheng Road, Changchun
130061, China

Tel (Fax) : (86-431) 88925027

E-mail: zhminzazh@126.com

Web site: www.immune99.com

www. 中国免疫学. 中国

Editor-in-Chief

TIAN Zhi-Gang(田志刚)

Managing Director

XU Si-Ping(许四平)

Executive Editor

NI Peng(倪鹏)

Publishing

Editorial Board of Chinese Journal
of Immunology
971, Jianzheng Road, Changchun
130061, China

Tel (Fax) : (86-431) 88925027

Advertisement Management Licence

2200041001010

Printing

Jilin Fangding Printing Limited
Corporation

Distributor

Domestic Distributor:
Newspapers and Periodicals
Issue Office of Changchun

Overseas Distributor:
China International Book
Trading Corporation

(P. O. Box 399, Beijing, P. R. China)

Code No. M6689

Subscribing

Local Post Office in China
Issue Code 12-89

Mail-Order

Editorial Board of Chinese Journal of
Immunology
971, Jianzheng Road, Changchun
130061, China

Tel (Fax) : (86-431) 88925027

E-mail: zhminzazh@126.com

CSSN

ISSN 1000-484X

CN 22-1126/1 万方数据

CONTENTS IN BRIEF

COMMENTARY

Nonhuman primates: connections from bench to bed in immunological

researches ZHENG Hong-Yi, ZHENG Yong-Tang (1121)

BASIC IMMUNOLOGY

Study of autophagy induced by DENV-2 and effect on viability of HUVECs

..... MAO Jia-Xuan, ZUO Li, KONG Wei-Ying *et al* (1131)

Effects of Th17/Treg related factors on permeability of intestinal mucosal

barrier simulated by T84 monolayer

..... HE Xin, ZHANG Mu-Han, LU Yao *et al* (1137)

Recombinant platanus pollen allergen 2 (rPla a 2) up-regulates human NOS2

gene promoter activity and production

..... QIAO Xiao-Qin, WANG Jin-Ya, LU Kang *et al* (1143)

Corosolic acid strengthens protective effect of dexmedetomidine on oxidative

stress and apoptosis of myocardium in STZ-induced diabetic rats

..... JIANG Hua, WANG Wei-Qiang, WEI Gui-Hua (1148)

Effect of *Lactobacillus rhamnosus* ATCC53103 and *Escherichia coli* ATCC8739 on

proliferation and apoptosis of CT26 cells

..... ZHENG Yun, QIAN Xiu-Ping, CHEN Dai-Jie *et al* (1153)

Vitexin glucolone enhances radiosensitivity of hepatocellular carcinoma

cell via TAK1/AMPK signaling pathway SU Shu-Juan (1158)

Inhibition or overexpression of GRK5 gene on apoptosis of astrocytes and

expression of IL-1 β and TNF- α JIA Lei, SHI Juan (1163)

CHINESE TRADITIONAL MEDICINE AND IMMUNOLOGY

Study on screening and mechanism of effective Chinese medicine for influenza

virus pneumonia LI Ling, WU Jia-Min, OUYANG Jian-Jun *et al* (1168)

Effect of astragalus polysaccharides on uterine macrophages of LPS induced

abortion rats and its mechanism

..... ZHENG Yan, WANG Na, LIU Jing-Qiao *et al* (1174)

Effect of Guishen Pills on cellular immunity in premature ovarian

failure mice LI Lu-Hong, LI Zhi-Chao, HONG Wen-Ting (1178)

Study on effects and underlying mechanisms of combined antelope horn with

uncaria in rats in development period with febrile seizures

..... SHUAI Yun-Fei, XIE Jing, LI Xin *et al* (1183)

- Inhibitory effect of novel FGF2 humanized monoclonal antibody E12 combined with cisplatin/paclitaxel on breast cancer cell proliferation in vitro ZHANG Yu, HUANG Jian-Fang, XU Meng *et al*(1187)
- Mechanism of overexpression or inhibition of tumor related macrophage B7-H1 gene on proliferation and invasion of ovarian cancer QU Qiu-Hong, WEI Li-Bei, YIN Ling(1195)
- IMMUNOLOGICAL TECHNIQUE AND METHOD**
- Expression, purification, characterization of human CD4 derived from baculovirus-infected insect cells QIAO Jia-Ming, ZHANG Zhi-Qing, ZHANG Zhen-Yong *et al*(1201)
- Comparison of hemagglutinin of H1N1 influenza virus binding sites between phage library and computer screening LI Hui-Jin, LIAN Yuan-Yuan, SUN Li-Jun *et al*(1206)
- CLINICAL IMMUNOLOGY**
- Association between PD-L1 expression and progression of gastric cancer; a Meta-analysis NIU Jia-Ning, LIANG Qiao-Mei, SHEN Jia-Cheng *et al*(1211)
- Effects of iloprost on ILC2s in a mouse model of acute allergic airway inflammation LI Qian-Yang, YANG Liu, ZHAO Kun-Yu *et al*(1217)
- Effect and mechanism of montelukast on inflammatory cytokines in Henoch-Schonlein purpura mice YANG Yun, MA Xi-Xing, WANG Da-Hu *et al*(1222)
- Effect of intestinal probiotics combined with Human immunoglobulin in curative effect of severe hand foot mouth disease and its influence on intestinal mucosal barrier function KE Sheng-Zhong, ZHANG Duo(1226)
- Expression of STC2 gene in breast cancer and influence of its expression on biological characteristics of cancer cells WU Huan-Liang, SU Ya-Jing, WU Da-Ping(1230)
- A preliminary study on expression and role of IL-18 in peripheral blood and tumor tissues of patients with thyroid cancer SHEN Xiao-Bo, REN Han-Qiang, CHEN Wei *et al*(1237)
- Correlation research between S100 β , NSE, immunoglobulin content, viral load and severity of disease in patients with herpes zoster TIAN Mi, CHEN Han, WANG Min-Jian(1242)
- Effects of low molecular weight heparin on cytokines in patients with severe pneumonia YAN Bai-Ling, TANG Ying, FU Yao *et al*(1247)
- TEACHING FIELD**
- Emphasis on training of clinical and scientific research abilities and promote practice course teaching reform of medical immunology in “5+3” integrated student FU Hai-Ying, YANG Wei, WANG Yan-Ling *et al*(1251)
- Application and thinking of online open course in teaching of medical immunology ZHANG Guo-Jun, SUN Ai-Ping, ZHAO Tie-Suo *et al*(1254)
- REVIEW**
- Research progress on role of non-HLA antibodies in kidney transplantation YANG Guan-Yin, LIAN Xin, ZHOU Hong-Lan *et al*(1258)
- Research progress of P120 catenin involved in cellular inflammatory response ... JIANG Jin-Wen, LIU Hui-Yun, LI Mei-Hua(1264)
- Immunoregulation and progress of Treg cell-derived exosomes in disease research CAO Qi-Jiang, ZHOU Yi-Chen, WANG Jin-Yan(1268)
- Research progress of human cell lines for recombinant pharmaceutical protein production LI Qin, WANG Tian-Yun, WANG Xiao-Yin *et al*(1274)
- Function and mechanism of novel cytokine CYTL1 in osteoarthritis CHI Shao-Yi, YU Ze, DONG Le-Le(1278)