

Corning® Ultra-Low Attachment Surface Bibliography: Monocytes, Macrophages, Lymphocytes, Neutrophils and Bacteria Applications



This document is a partial bibliography of some of the research using Corning® Ultra-Low Attachment Surface vessels in monocyte, macrophage, lymphocyte, neutrophil and bacteria studies.

1. Ballana, E., E. Pauls, J. Senserrich, B. Clotet, F. Perron-Sierra, G.C. Tucker, and J.A. Este. 2009. Cell adhesion through alphaV-containing integrins is required for efficient HIV-1 infection in macrophages. *Blood*. 113:1278-86.
2. Brandt, K.J., R. Carpintero, L. Gruaz, N. Molnarfi, and D. Burger. 2010. A novel MEK2/PI3Kdelta pathway controls the expression of IL-1 receptor antagonist in IFN-beta-activated human monocytes. *J Leukoc Biol*. 88:1191-200.
3. Carpintero, R., L. Gruaz, K.J. Brandt, A. Scanu, D. Faille, V. Combes, G.E. Grau, and D. Burger. 2010. HDL interfere with the binding of T cell microparticles to human monocytes to inhibit pro-inflammatory cytokine production. *PLoS One*. 5:e11869.
4. Chiang, C.S., F.H. Chen, J.H. Hong, P.S. Jiang, H.L. Huang, C.C. Wang, and W.H. McBride. 2008. Functional phenotype of macrophages depends on assay procedures. *Int Immunol*. 20:215-22.
5. Cortes-Bratti, X., E. Basseres, F. Herrera-Rodriguez, S. Botero-Kleiven, G. Coppotelli, J.B. Andersen, M.G. Masucci, A. Holmgren, E. Chaves-Olarte, T. Frisan, and J. Avila-Carino. 2011. Thioredoxin 80-activated-monocytes (TAMs) inhibit the replication of intracellular pathogens. *PLoS One*. 6:e16960.
6. Eruslanov, E., I. Daurkin, J. Ortiz, J. Vieweg, and S. Kusmartsev. 2010. Pivotal Advance: Tumor-mediated induction of myeloid-derived suppressor cells and M2-polarized macrophages by altering intracellular PGE catabolism in myeloid cells. *J Leukoc Biol*. 88:839-48.
7. Fritz, J.M., L.D. Dwyer-Nield, and A.M. Malkinson. 2011. Stimulation of neoplastic mouse lung cell proliferation by alveolar macrophage-derived, insulin-like growth factor-1 can be blocked by inhibiting MEK and PI3K activation. *Mol Cancer*. 10:76.
8. Henriksson, C.E., M. Hellum, K.B. Haug, H.C. Aass, G.B. Joo, R. Ovstebo, A.M. Troseid, O. Klingenberg, and P. Kierulf. 2011. Anticoagulant effects of an antidiabetic drug on monocytes in vitro. *Thromb Res*. 128:e100-e106.
9. Henriksson, C.E., O. Klingenberg, M. Hellum, K.S. Landsverk, G.B. Joo, A.B. Westvik, and P. Kierulf. 2007. Calcium ionophore-induced de-encryption of tissue factor in monocytes is associated with extensive cell death. *Thromb Res*. 119:621-30.
10. Hiebl, B., S. Bog, C. Mrowietz, M. Junger, F. Jung, A. Lendlein, and R.P. Franke. 2010. Influence of VEGF stimulated human macrophages on the proliferation of dermal microvascular endothelial cells: Coculture experiments. *Clin Hemorheol Microcirc*. 46:211-6.
11. Hui, K.P., S.M. Lee, C.Y. Cheung, I.H. Ng, L.L. Poon, Y. Guan, N.Y. Ip, A.S. Lau, and J.S. Peiris. 2009. Induction of proinflammatory cytokines in primary human macrophages by influenza A virus (H5N1) is selectively regulated by IFN regulatory factor 3 and p38 MAPK. *J Immunol*. 182:1088-98.
12. Imrich, A., Y. Ning, J. Lawrence, B. Coull, E. Gitin, M. Knutson, and L. Kobzik. 2007. Alveolar macrophage cytokine response to air pollution particles: oxidant mechanisms. *Toxicol Appl Pharmacol*. 218:256-64.
13. Jerke, U., S. Rolle, G. Dittmar, B. Bayat, S. Santoso, A. Sporbert, F. Luft, and R. Kettritz. 2011. Complement receptor Mac-1 is an adaptor for NB1 (CD177)-mediated PR3-ANCA neutrophil activation. *J Biol Chem*. 286:7070-81.
14. Jinushi, M., S. Chiba, H. Yoshiyama, K. Masutomi, I. Kinoshita, H. Dosaka-Akita, H. Yagita, A. Takaoka, and H. Tahara. 2011. Tumor-associated macrophages regulate tumorigenicity and anti-cancer drug responses of cancer stem/initiating cells. *Proc Natl Acad Sci U S A*. 108:12425-30.
15. Juarez, E., C. Nunez, E. Sada, J.J. Ellner, S.K. Schwander, and M. Torres. 2010. Differential expression of Toll-like receptors on human alveolar macrophages and autologous peripheral monocytes. *Respir Res*. 11:2.
16. Lin, A., J.A. Loughman, B.H. Zinselmeyer, M.J. Miller, and M.G. Caparon. 2009. Streptolysin S inhibits neutrophil recruitment during the early stages of *Streptococcus pyogenes* infection. *Infect Immun*. 77:5190-201.

17. Lin, M., and Y. Rikihisa. 2007. Degradation of p22phox and inhibition of superoxide generation by *Ehrlichia chaffeensis* in human monocytes. *Cell Microbiol.* 9:861-74.
18. Loughman, J.A., and D.A. Hunstad. 2011. Attenuation of human neutrophil migration and function by uropathogenic bacteria. *Microbes Infect.* 13:555-65.
19. Lund, P.K., R. Ovstebo, A.S. Moller, O.K. Olstad, K.S. Landsverk, M. Hellum, and P. Kierulf. 2009. Using global gene expression patterns to characterize Annexin V positive and negative human monocytes in culture. *Scand J Clin Lab Invest.* 69:251-64.
20. Mayer, A., S. Lee, F. Jung, G. Grutz, A. Lendlein, and B. Hiebl. 2010. CD14+ CD163+ IL-10+ monocytes/macrophages: Pro-angiogenic and non pro-inflammatory isolation, enrichment and long-term secretion profile. *Clin Hemorheol Microcirc.* 46:217-23.
21. Nikolic, D.M., M.C. Gong, J. Turk, and S.R. Post. 2007. Class A scavenger receptor-mediated macrophage adhesion requires coupling of calcium-independent phospholipase A(2) and 12/15-lipoxygenase to Rac and Cdc42 activation. *J Biol Chem.* 282:33405-11.
22. Petty, A.P., S.E. Wright, K.A. Rewers-Felkins, M.A. Yenderrozos, B.A. Vorderstrasse, and J.S. Lindsey. 2009. Targeting migration inducing gene-7 inhibits carcinoma cell invasion, early primary tumor growth, and stimulates monocyte oncolytic activity. *Mol Cancer Ther.* 8:2412-23.
23. Platt, A.M., C.C. Bain, Y. Bordon, D.P. Sester, and A.M. Mowat. 2010. An independent subset of TLR expressing CCR2-dependent macrophages promotes colonic inflammation. *J Immunol.* 184:6843-54.
24. Pachot, A., M.A. Cazalis, F. Venet, F. Turrel, C. Faudot, N. Voirin, J. Diasparra, N. Bourgoin, F. Poitevin, B. Mougin, A. Lepape, and G. Monneret. 2008. Decreased expression of the fractalkine receptor CX3CR1 on circulating monocytes as new feature of sepsis-induced immunosuppression. *J Immunol.* 180:6421-9.
25. Pan, H., G. Mostoslavsky, E. Eruslanov, D.N. Kotton, and I. Kramnik. 2008. Dual-promoter lentiviral system allows inducible expression of noxious proteins in macrophages. *J Immunol Methods.* 329:31-44.
26. Rempel, H., C. Calosing, B. Sun, and L. Pulliam. 2008. Sialoadhesin expressed on IFN-induced monocytes binds HIV-1 and enhances infectivity. *PLoS One.* 3:e1967.
27. Rempel, H., B. Sun, C. Calosing, S.K. Pillai, and L. Pulliam. 2010. Interferon-alpha drives monocyte gene expression in chronic unsuppressed HIV-1 infection. *Aids.* 24:1415-23.
28. Song, L., S. Asgharzadeh, J. Salo, K. Engell, H.W. Wu, R. Sposto, T. Ara, A.M. Silverman, Y.A. DeClerck, R.C. Seeger, and L.S. Metelitsa. 2009. Valpha24-invariant NKT cells mediate antitumor activity via killing of tumor-associated macrophages. *J Clin Invest.* 119:1524-36.
29. Staples, K.J., T. Smallie, L.M. Williams, A. Foey, B. Burke, B.M. Foxwell, and L. Ziegler-Heitbrock. 2007. IL-10 induces IL-10 in primary human monocyte-derived macrophages via the transcription factor Stat3. *J Immunol.* 178:4779-85.
30. Staples, K.J., F. Sotoodehnejadnematlahi, H. Pearson, M. Frankenberger, L. Francescut, L. Ziegler-Heitbrock, and B. Burke. 2010. Monocyte-derived macrophages matured under prolonged hypoxia transcriptionally up-regulate HIF-1alpha mRNA. *Immunobiology.* 216:832-9.

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