



Miltenyi Biotec

Monocytes and dendritic cells—reference list

Human cells

Isolation of monocytes

Wang, L. *et al.* (2008) 'Tuning' of type I interferon-induced Jak-STAT1 signaling by calcium-dependent kinases in macrophages. *Nat. Immunol.* 9: 186–193.

Schmid, D. *et al.* (2007) Antigen-loading compartments for major histocompatibility complex class II molecules continuously receive input from autophagosomes. *Immunity* 26: 79–92.

van der Wel, N. *et al.* (2007) *M. tuberculosis* and *M. leprae* translocate from the phagolysosome to the cytosol in myeloid cells. *Cell* 129: 1287–1298.

Cappello, P. *et al.* (2006) CC-chemokine ligand 16 induces a novel maturation program in human immature monocyte-derived dendritic cells. *J. Immunol.* 177: 6143–6151.

Nauta, A.J. *et al.* (2006) Mesenchymal stem cells inhibit generation and function of both CD34⁺-derived and monocyte-derived dendritic cells. *J. Immunol.* 177: 2080–2087.

Welte, S. *et al.* (2006) Mutual activation of natural killer cells and monocytes mediated by Nkp80-AICL interaction. *Nat. Immunol.* 7: 1334–1342.

Isolation of dendritic cells

Berghofer, B. *et al.* (2007) Natural and synthetic TLR7 ligands inhibit CpG-A- and CpG-C-oligodeoxynucleotide-induced IFN- α production. *J. Immunol.* 178: 4072–4079.

Hodges, A. *et al.* (2007) Activation of the lectin DC-SIGN induces an immature dendritic cell phenotype triggering Rho-GTPase activity required for HIV-1 replication. *Nat. Immunol.* 8: 569–577.

Stary, G. *et al.* (2007) Tumoricidal activity of TLR7/8-activated inflammatory dendritic cells. *J. Exp. Med.* 204: 1441–1451.

Varani, S. *et al.* (2007) Human cytomegalovirus differentially controls B cell and T cell responses through effects on plasmacytoid dendritic cells. *J. Immunol.* 179: 7767–7776.

Isolation of dendritic cells—autoMACS™ Cell Separation

Derks, R.A. *et al.* (2007) Dendritic cell type determines the mechanism of bystander suppression by adaptive T regulatory cells specific for the minor antigen HA-1. *J. Immunol.* 179: 3443–3451.

Lim, W.H. *et al.* (2007) Human plasmacytoid dendritic cells regulate immune responses to Epstein-Barr virus (EBV) infection and delay EBV-related mortality in humanized NOD-SCID mice. *Blood* 109: 1043–1050.

Lore, K. *et al.* (2007) Myeloid and plasmacytoid dendritic cells are susceptible to recombinant adenovirus vectors and stimulate polyfunctional memory T cell responses. *J. Immunol.* 179: 1721–1729.

Mouse cells

Isolation of dendritic cells

Jiang, A. *et al.* (2007) Disruption of E-cadherin-mediated adhesion induces a functionally distinct pathway of dendritic cell maturation. *Immunity* 27: 610–624.

Liu, K. *et al.* (2007) Origin of dendritic cells in peripheral lymphoid organs of mice. *Nat. Immunol.* 8: 578–583.

Whitmore, M.M. *et al.* (2007) Negative regulation of TLR-signaling pathways by activating transcription factor-3. *J. Immunol.* 179: 3622–3630.

Preynat-Seauve, O. *et al.* (2006) Tumor-infiltrating dendritic cells are potent antigen-presenting cells able to activate T cells and mediate tumor rejection. *J. Immunol.* 176: 61–67.

Uematsu, S. *et al.* (2006) Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c⁺ lamina propria cells. *Nat. Immunol.* 7: 868–874.

Isolation of dendritic cells—autoMACS™ Cell Separation

Nolte, M.A. *et al.* (2007) Dendritic cell quiescence during systemic inflammation driven by LPS stimulation of radioresistant cells *in vivo*. *J. Exp. Med.* 204: 1487–1501.

Saijo, S. *et al.* (2007) Dectin-1 is required for host defense against *Pneumocystis carinii* but not against *Candida albicans*. *Nat. Immunol.* 8: 39–46.

Preynat-Seauve, O. *et al.* (2006) Tumor-infiltrating dendritic cells are potent antigen-presenting cells able to activate T cells and mediate tumor rejection. *J. Immunol.* 176: 61–67.

In vivo depletion of dendritic cells

Saxena, V. *et al.* (2007) The countervailing actions of myeloid and plasmacytoid dendritic cells control autoimmune diabetes in the nonobese diabetic mouse. *J. Immunol.* 179: 5041–5053.

Schleicher, U. *et al.* (2007) NK cell activation in visceral leishmaniasis requires TLR9, myeloid DCs, and IL-12, but is independent of plasmacytoid DCs. *J. Exp. Med.* 204: 893–906.

Kuwajima, S. *et al.* (2006) Interleukin 15-dependent crosstalk between conventional and plasmacytoid dendritic cells is essential for CpG-induced immune activation. *Nat. Immunol.* 7: 740–746.

Gene expression profiling of monocytes

Auffray, C. *et al.* (2007) Monitoring of blood vessels and tissues by a population of monocytes with patrolling behavior. *Science* 317: 666–670.



Miltenyi Biotec

Miltenyi Biotec GmbH
Friedrich-Ebert-Straße 68
51429 Bergisch Gladbach
Germany
Phone +49 2204 8306-0
Fax +49 2204 85197
macs@miltenyibiotec.de

Miltenyi Biotec Inc.
12740 Earhart Avenue
Auburn, CA 95602, USA
Phone 800 FOR MACS,
+1 530 888 8871
Fax +1 530 888 8925
macs@miltenyibiotec.com

**Miltenyi Biotec Pty. Ltd.
(Australia)**
Phone +61 02 8877 7400
macs@miltenyibiotec.com.au

Miltenyi Biotec B.V. (Benelux)
macs@miltenyibiotec.nl
Customer service Netherlands
Phone 0800 4020120
Customer service Belgium
Phone 0800 94016
Customer service Luxembourg
Phone 800 24971

**Miltenyi Biotec Trading
(Shanghai) Co., Ltd. (P.R. China)**
Phone +86 21 6235 1005
macs@miltenyibiotec.com.cn

Miltenyi Biotec SAS (France)
Phone +33 1 56 98 16 16
macs@miltenyibiotec.fr

Miltenyi Biotec S.r.l. (Italy)
Phone +39 051 646 0411
macs@miltenyibiotec.it

Miltenyi Biotec K.K. (Japan)
Phone +81 3 5646 8910
macs@miltenyibiotec.jp

**Miltenyi Biotec Asia Pacific
Pte. Ltd. (Singapore)**
Phone +65 6238 8183
macs@miltenyibiotec.com.sg

Miltenyi Biotec S.L. (Spain)
Phone +34 91 512 12 90
macs@miltenyibiotec.es

Miltenyi Biotec Ltd. (UK)
Phone +44 1483 799 800
macs@miltenyibiotec.co.uk

www.miltenyibiotec.com