



Miltenyi Biotec

Reference list

Regulatory T cell research

CD4⁺CD25⁺ Regulatory T Cell Isolation Kit, human

Ou *et al.* (2004) T regulatory cells in atopic dermatitis and subversion of their activity by superantigens. *J. Allergy Clin. Immunol.* 113: 756–763.

Hong *et al.* (2006) CD4⁺ regulatory T cell responses induced by T cell vaccination in patients with multiple sclerosis. *Proc. Natl. Acad. Sci. USA* 103: 5024–5029.

Nishikawa *et al.* (2006) Influence of CD4⁺CD25⁺ regulatory T cells on low/high-avidity CD4⁺ T cells following peptide vaccination. *J. Immunol.* 176: 6340–6346.

Yang *et al.* (2006) Intratumoral CD4⁺CD25⁺ regulatory T-cell-mediated suppression of infiltrating CD4⁺ T cells in B-cell non-Hodgkin lymphoma. *Blood* 107: 3639–3646.

Mougiakos *et al.* (2009) Naturally occurring regulatory T cells show reduced sensitivity toward oxidative stress-induced cell death. *Blood* 113: 3542–3545.

Li *et al.* (2008) CD4⁺CD25⁺ Treg cells inhibit human memory $\gamma\delta$ T cells to produce IFN- γ in response to M tuberculosis antigen ESAT-6. *Blood* 111: 5629–5636.

Schwaab *et al.* (2009) Clinical and immunologic effects of intranodal autologous tumor lysate-dendritic cell vaccine with aldesleukin (interleukin 2) and IFN- α 2a therapy in metastatic renal cell carcinoma patients. *Clin. Cancer Res.* 15: 4986–4992.

CD4⁺CD25⁺ Regulatory T Cell Isolation Kit, non-human primate

Manigold, T. *et al.* (2006) Foxp3⁺CD4⁺CD25⁺ T cells control virus-specific memory T cells in chimpanzees that recovered from hepatitis C. *Blood* 107: 4424–4432.

CD4⁺CD25⁺ Regulatory T Cell Isolation Kit, mouse

Schwarz *et al.* (2004) Ultraviolet radiation-induced regulatory T cells not only inhibit the induction but can suppress the effector phase of contact hypersensitivity. *J. Immunol.* 172: 7006–7013.

Turk *et al.* (2004) Concomitant tumor immunity to a poorly immunogenic melanoma is prevented by regulatory T cells. *J. Exp. Med.* 200: 771–782.

Gangi *et al.* (2005) IL-10-producing CD4⁺CD25⁺ regulatory T cells play a critical role in granulocyte-macrophage colony-stimulating factor-induced suppression of experimental autoimmune thyroiditis. *J. Immunol.* 174: 7006–7013.

Kashiwada *et al.* (2006) Downstream of tyrosine kinases-1 and Src homology 2-containing inositol 5'-phosphatase are required for regulation of CD4⁺CD25⁺ T cell development. *J. Immunol.* 176: 3958–3965.

Chauhan *et al.* (2009) Autoimmunity in dry eye is due to resistance of Th17 to Treg suppression. *J. Immunol.* 182: 1247–1252.

CD4⁺CD25⁺CD127^{dim/-} Regulatory T Cell Isolation Kit II, human

Stockis *et al.* (2009) Membrane protein GARP is a receptor for latent TGF- β on the surface of activated human Treg. *Eur. J. Immunol.* 39: 3315–3322.

Tran *et al.* (2009) Selective expression of latency-associated peptide (LAP) and IL-1 receptor type I/II (CD121a/CD121b) on activated human FOXP3⁺ regulatory T cells allows for their purification from expansion cultures. *Blood* 113: 5125–5133.

CD25⁺CD49d⁻ Regulatory T Cell Isolation Kit, human

Kleinewietfeld *et al.* (2009) CD49d provides access to “untouched” human Foxp3⁺ Treg free of contaminating effector cells. *Blood* 113: 827–836

Tr1 cell analysis using the IL-10 Secretion Assay – Cell Enrichment and Detection Kit (PE), human

Akdis *et al.* (2004) Immune responses in healthy and allergic individuals are characterized by a fine balance between allergen-specific T regulatory 1 and T helper 2 cells. *J. Exp. Med.* 199: 1567–1575.

Veldmann *et al.* (2004) Type I regulatory T cells specific for desmoglein 3 are more frequently detected in healthy individuals than in patients with pemphigus vulgaris. *J. Immunol.* 172: 6468–6475

Dong *et al.* (2007) IL-10 is excluded from the functional cytokine memory of human CD4⁺ memory T lymphocytes. *J. Immunol.* 179: 2389–2396.

Meiler *et al.* (2008) *In vivo* switch to IL-10–secreting T regulatory cells in high dose allergen exposure. *J. Exp. Med.* 205: 2887–2898.

Tr1 cell analysis using the Mouse IL-10 Secretion Assay – Cell Enrichment and Detection Kit (PE)

Battaglia *et al.* (2006) Rapamycin and interleukin-10 treatment induces T regulatory type 1 cells that mediate antigen-specific transplantation tolerance. *Diabetes* 55: 40–49.

Breg cell analysis using the Mouse IL-10 Secretion Assay – Cell Enrichment and Detection Kit (PE)

Yanaba *et al.* (2009) The development and function of regulatory B cells expressing IL-10 (B10 cells) requires antigen receptor diversity and TLR signals. *J. Immunol.* 182: 7459–7472.

Treg Suppression Inspector

Kleinewietfeld *et al.* (2009) CD49d provides access to “untouched” human Foxp3⁺ Treg free of contaminating effector cells. *Blood* 113: 827–836.

Mougiakos *et al.* (2009) Naturally occurring regulatory T cells show reduced sensitivity toward oxidative stress–induced cell death. *Blood* 113: 3542–3545.

Schwaab *et al.* (2009) Clinical and immunologic effects of intranodal autologous tumor lysate–dendritic cell vaccine with aldesleukin (interleukin 2) and IFN- α 2a therapy in metastatic renal cell carcinoma patients. *Clin. Cancer Res.* 15: 4986–4992.

μ MACS™ One-step cDNA Technology

Fecci *et al.* (2006) Increased regulatory T-cell fraction amidst a diminished CD4 compartment explains cellular immune defects in patients with malignant glioma. *Cancer Res.* 66: 3294–3302.

Learn *et al.* (2006) Profiling of CD4⁺, CD8⁺, and CD4⁺CD25⁺CD45RO⁺FoxP3⁺ T cells in patients with malignant glioma reveals differential expression of the immunologic transcriptome compared with T cells from healthy volunteers. *Clin. Cancer Res.* 12: 7306–7315.

Last update: March 2010.



Miltenyi Biotec provides products and services worldwide. Visit www.miltenyibiotec.com/local to find your nearest Miltenyi Biotec contact.

MACS is a registered trademark of Miltenyi Biotec GmbH; μ MACS is a trademark of Miltenyi Biotec GmbH. Unless otherwise specifically indicated, Miltenyi Biotec products and services are for research use only and not for therapeutic or diagnostic use. Copyright © 2010 Miltenyi Biotec GmbH. All rights reserved.