



UvA-DARE (Digital Academic Repository)

Toll-like receptors: tools, assays, and implications for in vitro pyrogen tests

Kikkert, R.

Publication date
2009

[Link to publication](#)

Citation for published version (APA):

Kikkert, R. (2009). *Toll-like receptors: tools, assays, and implications for in vitro pyrogen tests*. [Thesis, fully internal, Universiteit van Amsterdam].

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

Contents

Chapter 1	General introduction	7
Chapter 2	Recombinant expression of the ectodomain of human toll-like receptor 2	25
Chapter 3	Monoclonal antibody production against toll-like receptors	53
Chapter 4	Activation of toll-like receptors 2 and 4 by Gram-negative periodontal bacteria <i>Oral Microbiol Immunol 2007; 22: 145–151.</i>	69
Chapter 5	Effects of smoking on the ex vivo cytokine production in periodontitis <i>J Periodontal Res 2009; 44: 28–34</i>	85
Chapter 6	Cytokine induction by pyrogens: comparison of whole blood, mononuclear cells, and TLR-transfectants <i>J Immunol Met 2008; 336: 45–55.</i>	101
Chapter 7	Potentiation of toll-like receptor-induced cytokine production by (1-3)- β -D-glucans: implications for the monocyte activation test <i>J Endotoxin Res 2007; 13: 140-149.</i>	121
Chapter 8	Lipopolysaccharide activation of toll-like receptor 4 is potentiated by human serum and is enhanced in sepsis	139
Chapter 9	T cell activation in whole blood induces IL-8, but no IL-6, and is dependent on IL-2, GM-CSF, and TNF production <i>Submitted</i>	159
Chapter 10	Summary & general discussion	179
	• Nederlandse samenvatting	193
	• Dankwoord	197
	• List of publications	199
	• Curriculum vitae	200