

## Immune and intrinsic correlates of protection in Rhesus macaques immunised against Simian Immunodeficiency Virus



Filesize: 1.52 MB

### ***Reviews***

*This pdf might be well worth a study, and a lot better than other. It really is simplistic but excitement inside the fifty percent in the book. Its been printed in an exceedingly straightforward way which is just after i finished reading this ebook through which really modified me, modify the way i believe.  
(Derick Brekke)*

## IMMUNE AND INTRINSIC CORRELATES OF PROTECTION IN RHESUS MACAQUES IMMUNISED AGAINST SIMIAN IMMUNODEFICIENCY VIRUS

[DOWNLOAD](#)

Cuvillier Verlag Sep 2015, 2015. Taschenbuch. Book Condition: Neu. 211x146x5 mm. Neuware - Efficacy assessment of AIDS vaccines relies both on pre-clinically challenging immunised monkeys with a pathogenic virus and subsequent monitoring of infection rates in large human trials. Conventional parameters of vaccine-induced immune responses do not completely predict outcome. Moreover, existing methods for testing cellular immunity are sophisticated and difficult to establish in resource-limited settings, thereby constraining large studies. There is a need for study models that bridge the gap between preclinical and clinical vaccine testing, and which are able to predict a virus-specific vaccine effect before actual challenge. Virus replication kinetics (VVR) on ConA-stimulated peripheral blood mononuclear cells (PBMC) was used as an ex vivo model to mimic the interaction between different components of the immune system and viral infection. PBMCs were obtained from the 17 experimental rhesus monkeys before immunisation and subsequently at 12, 26 and 44 weeks during immunisation (wdi). Before immunization, VVR of vaccine-naïve PBMCs varied between individual animals by between >430-fold and >60-fold after 7 and 10 days of infection cultures. VVR of sham-vaccinated control monkeys remained constant over 44 the weeks. However, VVR of immunised animals was significantly attenuated during this follow-up period. This effect was not influenced by the MHC- class 1 Mamu-A\\*01 allele, which is normally associated with slow disease progression. VVR was instead dependent on the number of IFN - producing cells ( $p=0.001$ ), CD8+ T-cell non-cytotoxic antiviral response (CNAR) ( $p=0.01$ ) and MIP-1a ( $p=0.013$ ). High VVR correlated with increased CXCL10, IL-1 $\beta$  and MIP-1 $\beta$ . Importantly, pre-challenge VVR, CXCL10, IL-1 $\beta$  and MIP-1 $\beta$  but not IFN correlated directly with acute plasma viremia and inversely with memory CD4+ T-cell counts after SIVmac239 challenge. VVR was thus able to predict disease progression and the protective capacity of the vaccine regime. Likewise, pre-challenge CNAR, MIP-1a and IL-10 were...



[Read Immune and intrinsic correlates of protection in Rhesus macaques immunised against Simian Immunodeficiency Virus Online](#)



[Download PDF Immune and intrinsic correlates of protection in Rhesus macaques immunised against Simian Immunodeficiency Virus](#)

## Relevant Books

---



**Hands Free Mama: A Guide to Putting Down the Phone, Burning the To-Do List, and Letting Go of Perfection to Grasp What Really Matters!**

ZONDERVAN, United States, 2014. Paperback. Book Condition: New. 211 x 137 mm. Language: English . Brand New Book. Rachel Macy Stafford s post The Day I Stopped Saying Hurry Up was a true phenomenon on...

[Download eBook »](#)

---



**Genuine] Whiterun youth selection set: You do not know who I am Raoxue(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2012-08-01 Pages: 254 Publisher: rolls of publishing companies basic information title:...

[Download eBook »](#)

---



**The Forsyte Saga (The Man of Property; In Chancery; To Let)**

Scribner Paperback Fiction. PAPERBACK. Book Condition: New. 0743245024 12+ Year Old paperback book-Never Read-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship...

[Download eBook »](#)

---



**Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities**

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents...

[Download eBook »](#)

---



**31 Moralistic Motivational Bedtime Short Stories for Kids: 1 Story Daily on Bedtime for 30 Days Which Are Full of Morals, Motivations Inspirations**

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Reading to children is a wonderful activity and past time that both parents...

[Download eBook »](#)