I'm not a robot

JI:BLPTTLR-2TTTTTTBLP TTLR-2TTT Journal of Immunology Faculty of 1000 Faculty of 1000BLP TT The Journal of Immunology doi: 10.4049/jimmunol.1002320TLR1/TLR2 Agonist Induces Tumor Regression by Reciprocal Modulation of Effector and Regulatory T CellsYi Zhang*,1, Feifei Luo*,1, Yuchan Cai*, Nan Liu*, Luman Wang*, Damo Xu? and Yiwei Chu*AbstractUsing TLR agonists in cancer treatment can have either beneficial or detrimental effects. Therefore, it is important to determine their effect on the tumor growth and understand the underlying mechanisms in animal tumor models. In this study, we report a general immunotherapeutic activity of a synthetic bacterial lipoprotein (BLP), a TLR1/TLR2 agonist, on established lung carcinoma, leukemia, and melanoma in mice. Systemic treatment of 3LL tumor-bearing mice with BLP, but not LPS, led to a dose-dependent tumor regression and a long-lasting protective response against tumor rechallenge. The BLP-mediated tumor remission was neither mediated by a direct tumoricidal activity nor by innate immune cells, because it lacked therapeutic effect in immunodeficient SCID mice. Instead, BLP treatment reduced the suppressive function of Foxp3+ regulatory T cells (Tregs) and enhanced the cytotoxicity of tumor-specific CTL in vitro and in vivo. Furthermore, adoptive cotransfer of BLP-pretreated but not untreated CTL and Tregs from wild-type but not from TLR2?/? mice was sufficient to restore antitumor immunity in SCID mice by reciprocally modulating Treg and CTL function. These results demonstrate that the TLR1/TLR2 agonist BLP may have a general tumor therapeutic property involving reciprocal downregulation of Treg and upregulation of CTL function. This property may play an important role in the development of novel antitumor strategies.Page 2/Page 3/Page 4/Page 5

What are the agonist and antagonist muscles in a squat. What is the agonist muscle in the downward phase of a squat. Agonist squats. What is the agonist and antagonist in a squat.

- http://matras-devison.ru/upload/file/b470874d-4cf1-44d8-9953-fe446f1754f0.pdf
- http://autoservizimensi.it/images/fck/file/4f7d9db9-b989-4762-bbce-9d6e9b2af44c.pdf
- https://yp05.com/_UploadFile/Images/file/firubudob.pdf
- https://stratasphere.online/userfiles/file/c15358ee-4c0d-447c-a94b-2fa533eaa528.pdf
- software scope of work example
- codigos de control remoto universal rca para televisor sharp
- samsung washer manual door release
- ejercicios resueltos de contabilidad básica en bolivia
- https://marathonblainville.com/userfiles/files/2b7c2305-6627-47e0-8361-d5c963b73b44.pdf
- vacoli
- how much are masters tickets through the lottery