Accepted Manuscript

Accepted date:

70-kDa heat shock protein coated magnetic nanocarriers as a nanovaccine for induction of anti-tumor immune response in experimental glioma

Maxim A. Shevtsov, Boris P. Nikolaev, Liudmila Y. Yakovleva, Marina A. Parr, Yaroslav Y. Marchenko, Igor Eliseev, Anatolii V. Dobrodumov, Olga Zlobina, Alexander Zhakhov, Alexander M. Ischenko, Emil Pitkin, Gabriele Multhoff

LANVER .	journal of controlled release

PII:	S0168-3659(15)30217-0
DOI:	doi: 10.1016/j.jconrel.2015.10.051
Reference:	COREL 7960
To appear in:	Journal of Controlled Release
Received date:	3 September 2015
Revised date:	15 October 2015

28 October 2015

Please cite this article as: Maxim A. Shevtsov, Boris P. Nikolaev, Liudmila Y. Yakovleva, Marina A. Parr, Yaroslav Y. Marchenko, Igor Eliseev, Anatolii V. Dobrodumov, Olga Zlobina, Alexander Zhakhov, Alexander M. Ischenko, Emil Pitkin, Gabriele Multhoff, 70-kDa heat shock protein coated magnetic nanocarriers as a nanovaccine for induction of anti-tumor immune response in experimental glioma, *Journal of Controlled Release* (2015), doi: 10.1016/j.jconrel.2015.10.051

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

70-kDa heat shock protein coated magnetic nanocarriers as a nanovaccine for

induction of anti-tumor immune response in experimental glioma

Maxim A. Shevtsov^{a-d}, Boris P. Nikolaev^e, Liudmila Y. Yakovleva^e, Marina A. Parr^f,

Yaroslav Y. Marchenko^e, Igor Eliseev^g, Anatolii V. Dobrodumov^h, Olga Zlobina^e,

Alexander Zhakhov^e, Alexander M. Ischenko^e, Emil Pitkinⁱ, Gabriele Multhoff^d

^aInstitute of Cytology of the Russian Academy of Sciences (RAS), Tikhoretsky ave. 4, 194064, St.Petersburg, Russia

^bI.P. Pavlov State Medical University of St. Petersburg, Lev Tolstoy str. 6/8, 197022, St.Petersburg, Russia

^cA.L. Polenov Russian Research Scientific Institute of Neurosurgery, Mayakovsky str. 12, 191014, St.Petersburg, Russia

^dTechnische Universität München, Klinikum rechts der Isar, Ismaniger Str. 22, 81675, Munich, Germany

^eResearch Institute of Highly Pure Biopreparations, Pudozhskaya str. 12, 191014, St.Petersburg, Russia

^fV.F. Fock Institute of Physics, St.Petersburg State University, Universitetskaya str. 7-9, 199034, St.Petersburg, Russia

^gAcademic University of the Russian Academy of Sciences (RAS), Hlopina str. 8, 194021, St.Petersburg, Russia

^hInstitute of Macromolecular Compounds of the Russian Academy of Sciences (RAS), Bolshoi pr.

31, 199004, St.Petersburg, Russia

ⁱThe Wharton School, University of Pennsylvania, 3730 Walnut St., Philadelphia, PA 19104, USA

Corresponding author: Maxim A. Shevtsov, M.D., Ph.D. Institute of Cytology (RAS), Russia, St.Petersburg, 194064 Tikhoretsky ave., 4. Fax: +7(812)297-35-41 Tel.: +7(812)297-18-29 E-mail: shevtsov-max@mail.ru; maxim.shevtsov@tum.de

Download English Version:

https://daneshyari.com/en/article/10612701

Download Persian Version:

https://daneshyari.com/article/10612701

Daneshyari.com