

论著

## 重组日本血吸虫26kDaGST抗原免疫家兔后抗体动态观察

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摘要

目的: 探讨重组日本血吸虫26 k D a G S T 抗原免疫家兔后抗体水平动态变化。方法: 家兔随机分为免疫组与佐剂对照组, 免疫组用纯化重组日本血吸虫 2 6 k D a G S T 抗原加福氏佐剂免疫; 佐剂对照组用 0 . 8 5 % 盐水加福氏佐剂免疫。免疫后, 每兔逐周取耳静脉血, 采用酶联免疫吸附试验 ( E L I S A ) 检测血清中特异性抗体水平。结果: 免疫组家兔从免疫后第 4 w k 起血清中特异性抗 G S T 抗体升高, 且维持在较高的水平达 6 5 w k 。结论: 重组日本血吸虫 2 6 k D a G S T 抗原免疫家兔后, 特异性抗 G S T 抗体水平较对照组明显升高, 且至少能维持 1 年。

关键词 [日本血吸虫](#) [重组抗原](#) [谷胱甘肽-S-转移酶](#) [酶联免疫吸附试验](#)

分类号

## OBSERVATION ON THE DYNAMICS OF SPECIFIC ANTI GST ANTIBODIES IN RABBITS IMMUNIZED WITH RECOMBINANT 26 kDa GST OF SCHISTOSOMA JAPONICUM

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Abstract

AIM: To investigate the dynamics of the anti GST antibodies in rabbits immunized with recombinant 26 kDa GST of Schistosoma japonicum . METHODS: The specific antibodies were detected weekly by GST ELISA in rabbits vaccinated with purified recombinant 26 kDa GST antigen of S.japonicum plus FCA/IFCA; rabbits immunized with 0.85% saline plus FCA/IFCA served as control group. RESULTS: The specific anti GST antibodies began to increase at week 4 post immunization, the mean OD value in rabbits vaccinated with recombinant GST could reach 1.03±0.46 (adjuvant control group only 0.42±0.04). The experiment was completed at week 65 post immunization when the mean OD values for specific anti GST antibody in immunized rabbits were 0.94±0.26 (0.29±0.16 in the control group). CONCLUSION: Strong anti GST antibody responses could be induced in rabbits vaccinated with recombinant 26 kDa GST of S.japonicum.

Key words [Schistosoma japonicum](#) [recombinant antigen](#) [glutathione S transferase](#) [ELISA](#)

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