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单克隆抗体CH12抑制头颈部鳞状细胞癌裸鼠种植瘤的生长 点此下载全文

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摘要:

关键词: CH12 单克隆抗体 表皮生长因子受体 头颈部鳞状细胞癌

CH12 monoclonal antibody inhibits growth of head and neck squamous cell carcinomas xenografts in nu-

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Abstract:

Objective: To investigate the inhibitory effect of chimeric monoclonal antibody CH12 on the growth of head carcinoma (HNSCC) xenografts in vivo , and to provide basis for further study on the effect CH12 antibody o The protein expression levels of the epidermal growth factor receptor (EGFR) in A253, CAL27, Detroit 562, FaDi lines were analyzed by Western blotting. The binding capacity of CH12 antibody with these five cell lines was d CAL27 and A253 cells were subcutaneously inoculated into nude mice to establish HNSCC xenograft models. The tumor were randomized into two groups: a ehicle control group (PBS) and a treatment group (CH12). Tumor vowere graft time interval, and then the tumor growth curve was drawn. Results: EGFR was expressed in CAL27, A21 lines, with the highest expression in CAL27 cells and the second highest expression in A253 cells. The binding a lines was followed by CAL27, FaDu, A253, Detroit 562 and RPMI 265. CH12 significantly inhibited the tumor growth curvely. Conclusion: CH12 antibody can effectively inhibit the tumor growth of EGFR high-expressed HNSC-respectively. Conclusion: CH12 antibody can effectively inhibit the tumor growth of EGFR high-expressed HNSC-respectively.

Keywords: CH12 monoclonal antibody epidermal growth factor receptor (EGFR) head and neck squamous cell

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