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Nearch Search	Evaluation of tumor tar
ŝ	"Babaei MH, Farshid Far R,
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	the day of 1 render the F exprimental setting.

nor targeting with radiolabeled F(ab)2 fragment of a humanized monoclonal antibody

d Far R, Najafi R "

clonal antibody U36 and its F(ab')2 fragment, radio labeled with 1251, were tested for tumor localization ing a squamous cell carcinoma xenograft line derived from a head and neck carcinoma. Monoclonal (ab')2 fragment were injected in parallel and at days 1, 2 and 3, mice were dissected for determination ibution. IgG as well as F(ab')2 showed highly specific localization in tumor tissue. The mean tumor xpressed as the percentage of the injected dose per gram of tumor tissue (%ID/g). %ID/g of IgG was nd decreased to 10.9% at day 3 whereas %ID/g of F(ab')2 was 2.9% at day 1 and decreased on umor to blood ratios (T/B) at day 1 were 0.86 for IgG and 1.32 for F(ab')2 and reached a maximum at of 4.41 and 1.84 respectively. These findings suggest that the superior tumor to non-tumor ratios in er the F(ab')2 fragment more qualified for specific targeting radioisotopes to tumor xenografts in this ıg.

## Keywords:

Humanized monoclonal antibody , F(ab)2 fragment , I-125

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