研究简报

188Re直接标记抗体方法研究

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摘要　　为使188Re能更容易快速地标记各种单抗，无载体的188Re直接标记单克隆抗体（IgG）的方法被研究。以2-ME作为抗体的还原剂，葡萄糖酸钠作为中间弱配体，在pH5.0的条件下，以$SnCl_2$快速还原$188ReO_4^-$，进行抗体的直接标记。操作步骤少、简单、方便，标记率高（95%），不需分离纯化，且标记物有良好的体外稳定性。相对其它标记方法，有更加实际的应用前景。

关键词　　188Re　直接标记　IgG

分类号

The Investigation of Direct Labeling Antibody with 188Re

Abstract For more easily and quickly labeling each antibody with 188Re, the method of direct labeling IgG with 188Re was studied here. The direct labeling is conducted at pH5.0 with 2-ME and $SnCl_2$ as the reductant of antibodies and $188ReO_4^-$ respectively, and Sodium gluconate as chelate agent. The labeling process is easily and conveniently handled. The labeling efficiency is high (95%) and further purification does not be needed. The labeled antibodies are stable in vitro. Therefore the direct labeling approach has more practical application prospects than other labeling methods.

Key words 188Re Direct labeling IgG

DOI

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