

ABSTRACT

A method for producing a conjugate of a radioactive metal nuclide and an antibody is provided, and the method includes a step of reacting a radioactive metal nuclide with an antibody conjugated with a ligand compound in a reaction solution containing water to coordinate the radioactive metal nuclide to the ligand compound, and the reaction solution does not contain a pH buffer and has a pH of 2 or more and 10 or less. The radioactive metal nuclide is preferably at least one selected from ^{68}Ga , ^{89}Zr , ^{90}Y , ^{111}In , ^{177}Lu , and ^{225}Ac . It is also preferable that the radioactive metal nuclide be ^{89}Zr and the reaction solution have a pH of 2 or more and 4 or less.