

METHOD FOR PREPARING PEPTIDE FRAGMENTS, METHOD FOR
PREPARING PROTEASE TO BE USED THEREIN, AND KIT FOR PREPARING
PEPTIDE FRAGMENTS

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ABSTRACT

The method according to the present invention for preparing peptide fragments comprises bringing an antibody, which includes a Fc domain immobilized in pores of a porous body, into contact with a protease immobilized on surface of microparticles. Thus, the Fab domain of the antibody is site-specifically cleaved by the protease and a sample containing Fab domain-derived peptide fragments at a high concentration can be obtained. The protease to be used in the present invention is an animal-derived trypsin contaminated with chymotrypsin wherein the chymotrypsin is inactivated and the trypsin is chemically modified at amino group in lysine residues.

[Fig. 1]