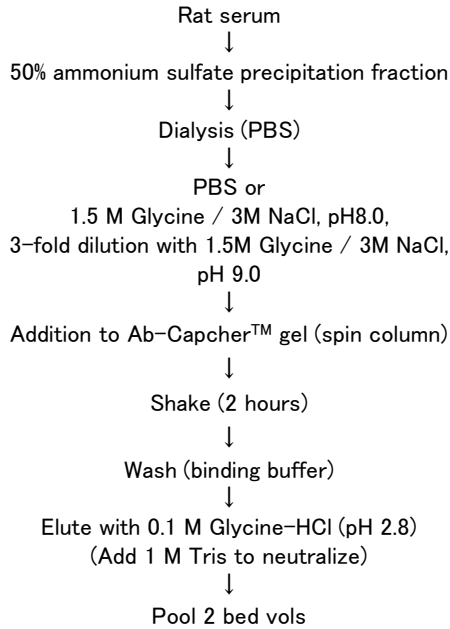


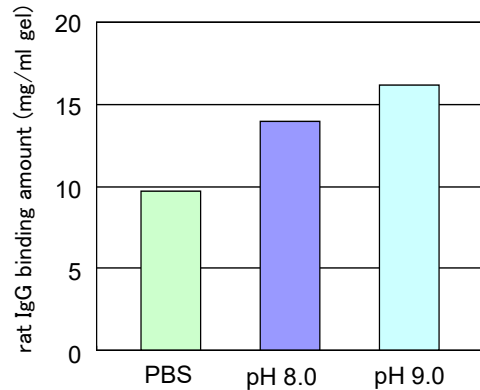
# Ab-Capcher™: rat IgG purification

## Effect of binding buffer pH

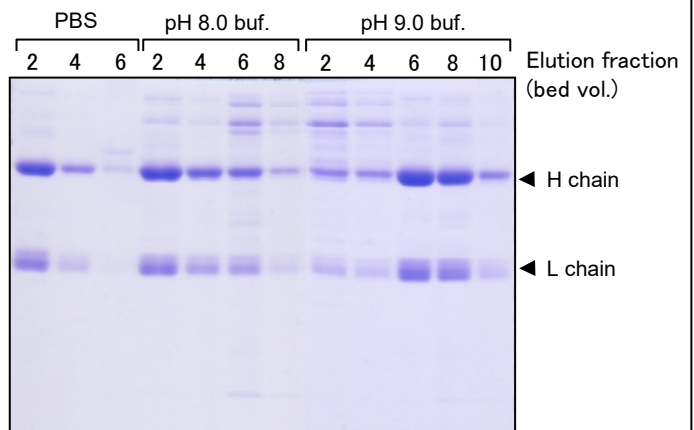
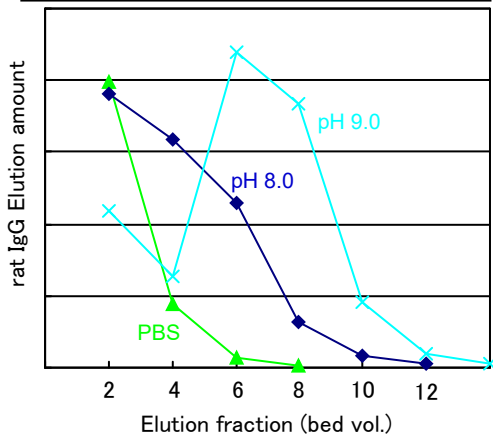
### Purification flow chart



### Rat serum IgG binding amount



### Analysis of IgG elution pattern



Sample volume: 2  $\mu$ l; Gel: 12.5%; Stain: CBB

A 50% ammonium sulfate precipitate of rat serum was adjusted to three different pH values and bound to Ab-Capcher™. Following elution, yield and purity were determined. Increasing the pH of the binding buffer increased the yield of rat serum IgG, but also increased the amount of contaminants. However, it was found that high-purity rat IgG can be efficiently purified by pooling the IgG-rich fractions of the eluted fraction. In PBS, we pooled up to 4 bed vols. At pH 8, contaminants elute in bed vol fraction 6, so up to 4 bed vol. was pooled as in PBS. In the case of pH 9, contaminants elute up to bed vol 4, so 6 and 8 bed vol fractions were pooled. As a result, at pH 9, 16.1 mg/ml gel of rat IgG corresponding to 1.7 times that of PBS could be purified.