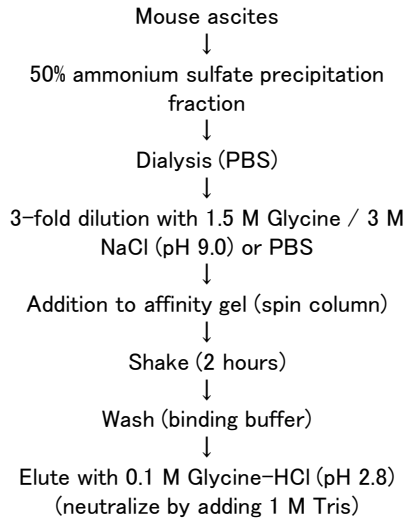


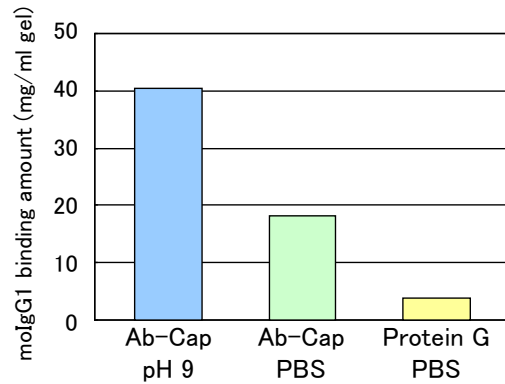
Ab-Capcher™

Purifying mouse monoclonal IgG1 (1)

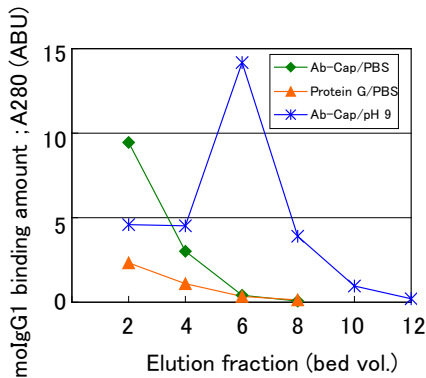
Purification flow chart



Mouse IgG1 binding amount under various conditions

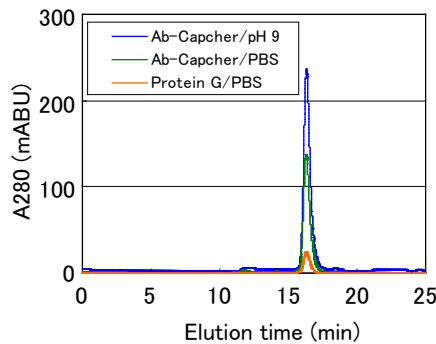


Analysis of IgG1 fraction purified under various conditions



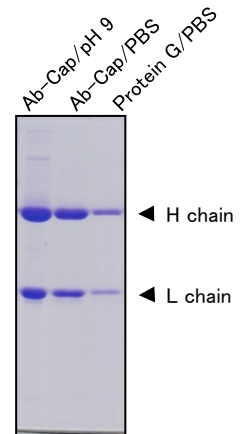
Elution profile

Elution fraction every 2 bed vols
IgG1 elution amount measurement (A280)



Gel filtration HPLC

Sample: IgG1 elution fraction 10 µl
Analytical column: G3000SWXL
buffer: 35 mM Na-Pi, 0.5 M NaCl, pH 7.0
Flow rate: 0.5 ml/min



SDS-PAGE

Sample: IgG1 elution fraction 1 µl
Gel: 12.5 % (Tris-Glycine)
Stain: CBB

A 50% ammonium sulfate precipitate of mouse ascites was diluted with PBS or pH 9 buffer and added to Ab-Capcher™ or a commercial protein G gel. Ab-Capcher™ showed about 5 times the binding amount of mouse IgG1 than Protein G gel in PBS. When a pH 9 binding buffer was used, the Ab-Capcher™ yield increased twofold further compared to PBS. Thus, use of pH 9 buffer with Ab-Capcher™ can greatly increase the yield of mouse monoclonal antibody, but caution is required because the elution of mouse IgG1 is delayed.

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