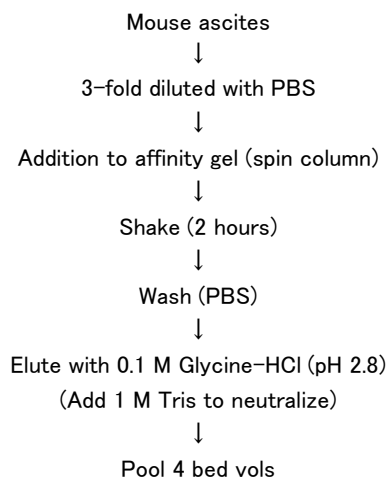


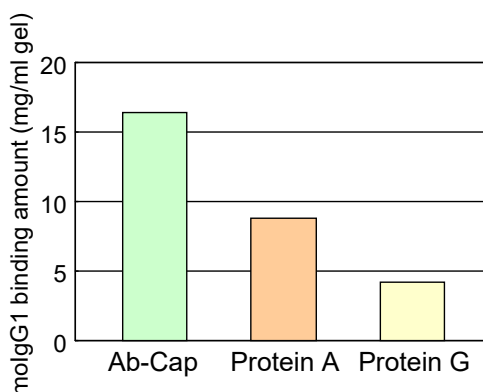
Ab-Capcher™

Purification of mouse monoclonal IgG1 (2)

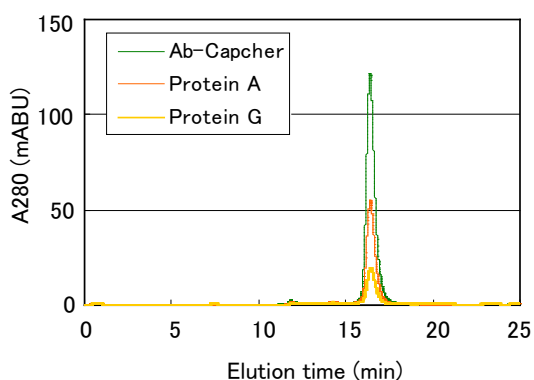
Purification flow chart



Mouse IgG1 binding amount of various affinity gels

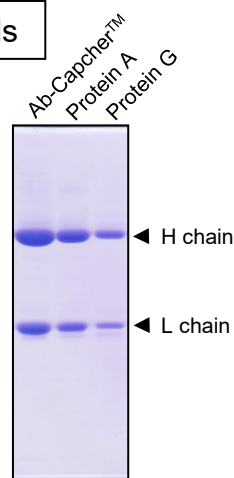


Analysis of IgG1 fractions purified by various affinity gels



Gel filtration HPLC

Sample: IgG1 elution fraction 10 μ l
Analytical column: G3000SWXL
buffer: 35mM Na-Pi, 0.5M NaCl, pH7.0
Flow rate: 0.5ml/min



SDS-PAGE

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

Mouse ascites was diluted with PBS and bound to each of the three types of affinity gel carriers. Ab-Capcher™ showed about twice the amount of binding to mouse IgG1 in ascites as commercial protein A gel and about four times that of protein G gel. The purity of IgG1 in the eluted fraction was 97.6% (gel filtration), which was the highest value for Ab-Capcher™ against 95.9% of protein A gel and 93.4% of protein G gel. From the above results, it was found that Ab-Capcher™ can purify more highly purified mouse IgG1 from ascites in one step.