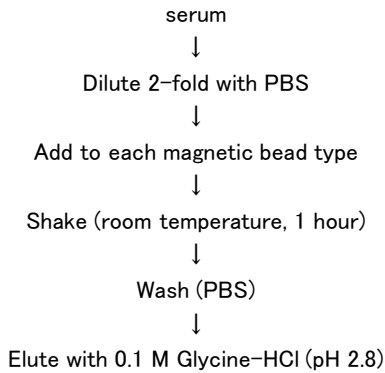


Ab-Capcher Mag™ Compared with Protein G magnetic beads

Mouse and rat serum

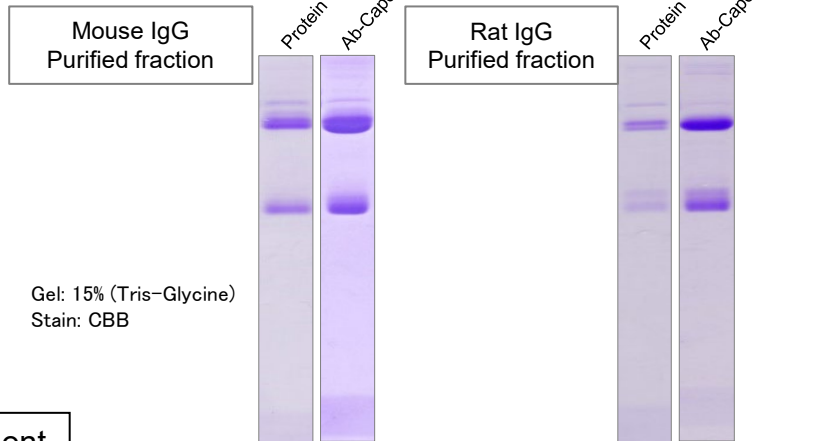
Purification flow chart



IgG binding amount

	(mg/mL gel)	
	Mouse	Rat
Protein G Mag Sepharose	12.1	5.1
Ab-Capcher Mag™	48.3	25.8

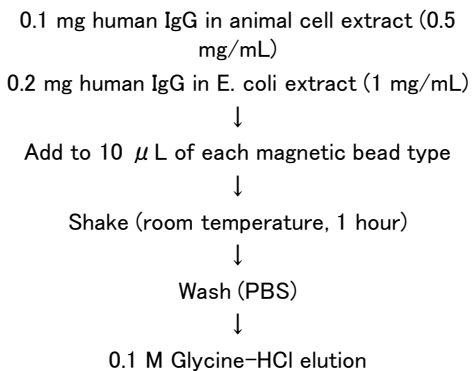
Electrophoresis result



Gel: 15% (Tris-Glycine)
Stain: CBB

IgG addition/recovery experiment

Experiment flow chart



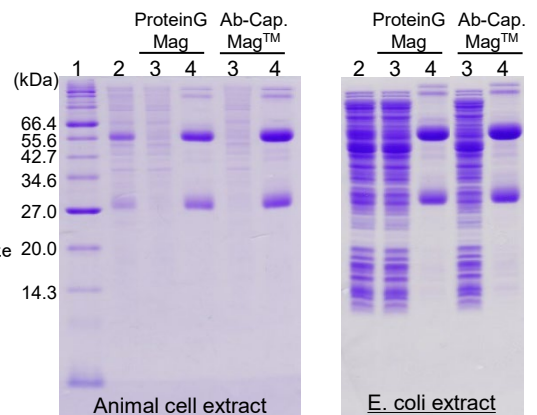
IgG binding amount

	Animal cell extract recovery rate	E. coli extract recovery rate
Protein G Mag Sepharose	61.7%	70.9%
Ab-Capcher Mag™	70.4%	72.3%

Electrophoresis result

Gel: 15% (Tris-Glycine)
Stain: CBB

Lane 1: MW marker
Lane 2: human IgG/Lysate
Lane 3: flow through
Lane 4: eluate



Ab-Capcher Mag™ was compared to a Protein G magnetic bead product. First, yield and purity were compared for IgG purified from mouse and rat serum using each type of magnetic beads. Ab-Capcher Mag™ yielded about 4 times the amount of IgG compared to Protein G for a mouse antibody and about 5 times for a rat antibody. Purity for both, as checked by electrophoresis, was good. Next, human IgG was added to a HeLa cell extract and to an E. coli extract and an addition/recovery experiment was performed. The recovery rate of Ab-Capcher Mag™ was 70% or more, and when the eluted fractions were compared by electrophoresis, purity was found to be equivalent to that of the Protein G product.