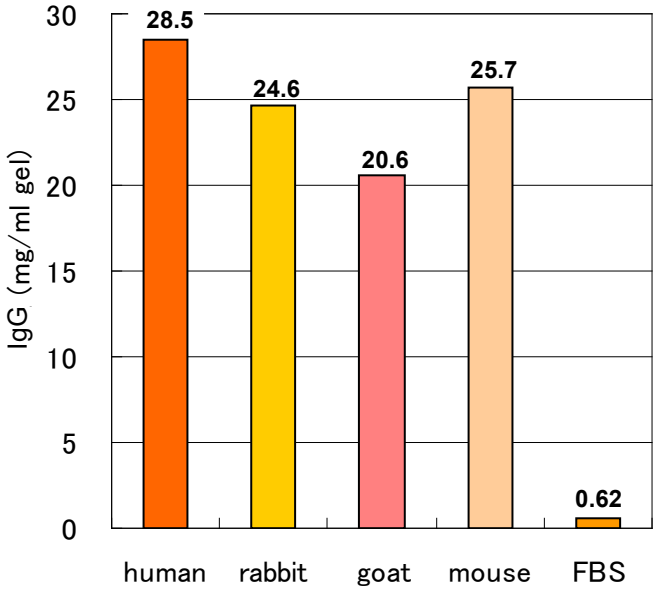
Ab-Rapid SPiN™
IgG purification from various animal sera

Operation flow chart

Various serums 0.3mL
↓
2-fold dilution with PBS
↓
Add to Ab-Rapid SPiN™
↓
Reaction (1 hour)
↓
Wash (PBS), 5 minutes x 3 times
↓
0.1 M Glycine-HCl (pH 2.5), 5 minutes mixing, elution
(Add 1 M Tris to neutralize)

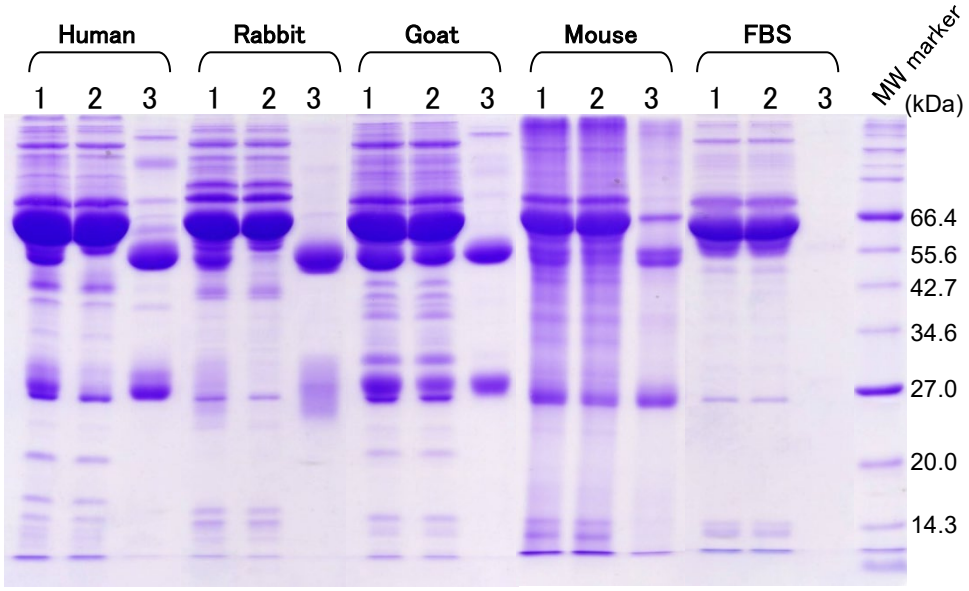
Comparison of amount of IgG in serum



Electrophoresis result

SDS-PAGE
Gel: 12.5% (Tris-Glycine)
Stain: CBB

Lane 1: Serum
Lane 2: Flow through
Lane 3: Eluate



IgG purified from the serum of 5 different animal species using Ab-Rapid SPiN™ was subjected to yield and purity analysis. The amount of purified IgG was 20 mg/mL gel or more from the sera of all animals but not from FBS. Given the IgG content of serum is typically approximately 10 mg/mL, each purification was performed on 30 mg/mL gel amount of serum. Thus, IgG could be purified from various animal sera with sufficient recovery rate. Since FBS originally has a low IgG content, it is speculated that the yield was low in this purification.

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