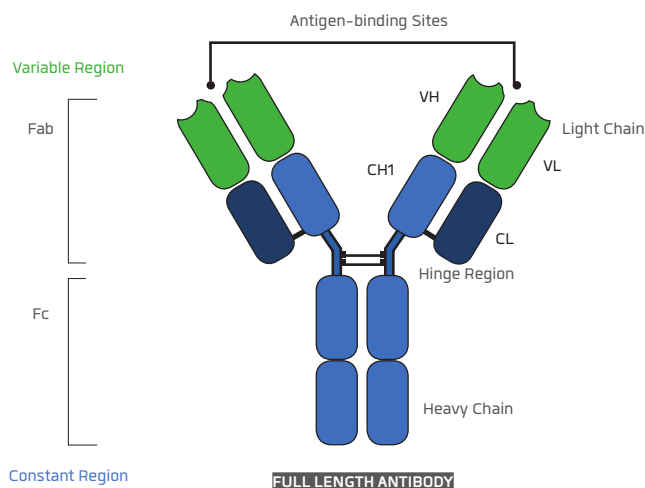


Protein G Affinity Chromatography Resin

KANEKA KanCap™ G

- > High binding capacity for antibody molecules containing CH1 or Fc region
- > High purification



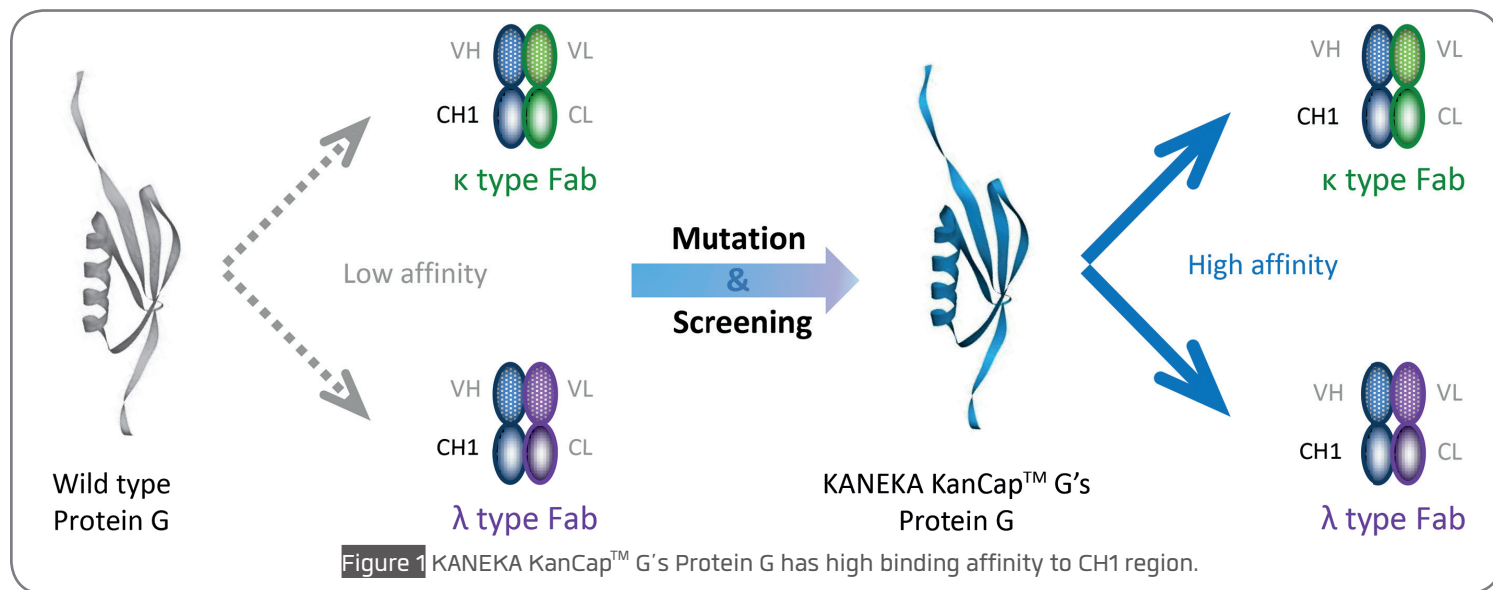
KANEKA KanCap™ G is a newly developed cellulose-based affinity resin designed for efficient capture and purification of antibody fragment formats containing the CH1 region such as Fab and F(ab')₂. It consists of a highly cross linked cellulose matrix and a newly developed Protein G ligand that exhibits an increased binding affinity for the CH1 region of an antibody. It is also an alternative tool to purify full length antibody formats.

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KANEKA

Kaneka has developed a Protein G mutant that exhibits substantially improved binding affinities to antibody fragment (Fab) containing the CH1 region of an antibody. It has high binding affinity to both Fabs of κ type and λ type.



Excellent purification tool for antibody fragments

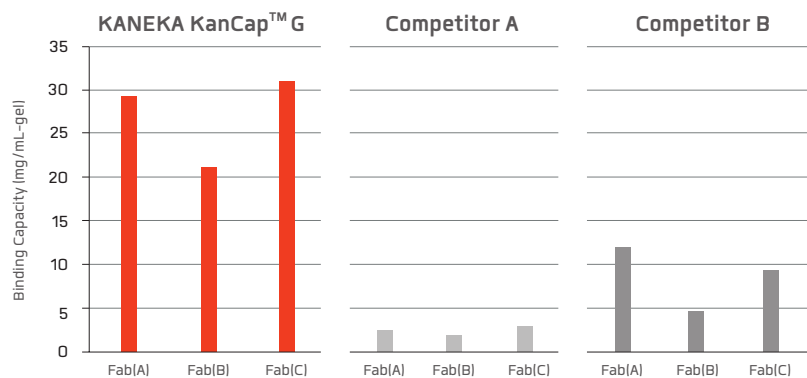


Figure 2 Dynamic binding capacity evaluation.

Fab (A) from monoclonal chimeric IgG1 **Fab (B)** from polyclonal human IgG (containing κ and λ types)
Fab (C) from monoclonal humanized IgG1

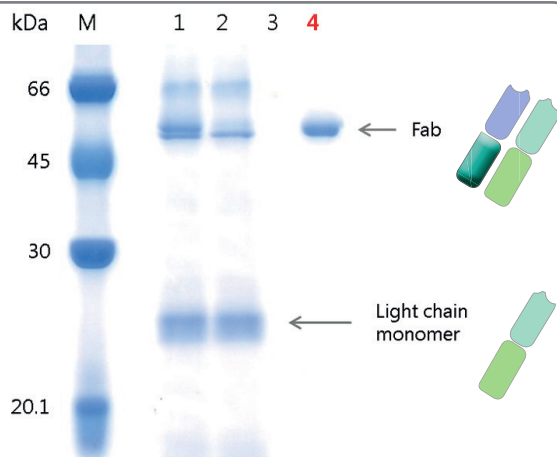


Figure 3 SDS-PAGE analysis of non-reduced Fab samples purified from yeast supernatant

M. Marker; 1.Supernatant; 2.Flow-through; 3.Wash; 4.Eluate

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