

New lineup of FG beads!!

Streptavidin beads

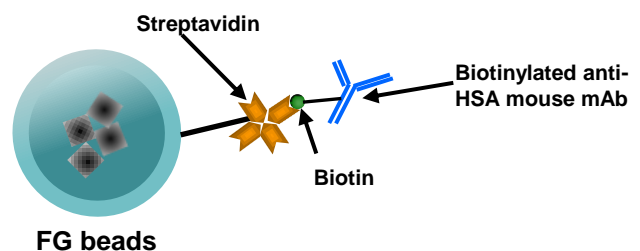
For immobilization of biotinylated substances (antibody, nucleic acid, chemical compound).

Applications

- Immobilization of biotinylated substances (chemical compounds) on the FG beads and affinity purification of the target protein.
- Immobilization of biotinylated antibodies on the FG beads and immunoprecipitation (IP) of the target antigen.
- Immobilization of other biotinylated substances such as nucleic acids (DNA, RNA).

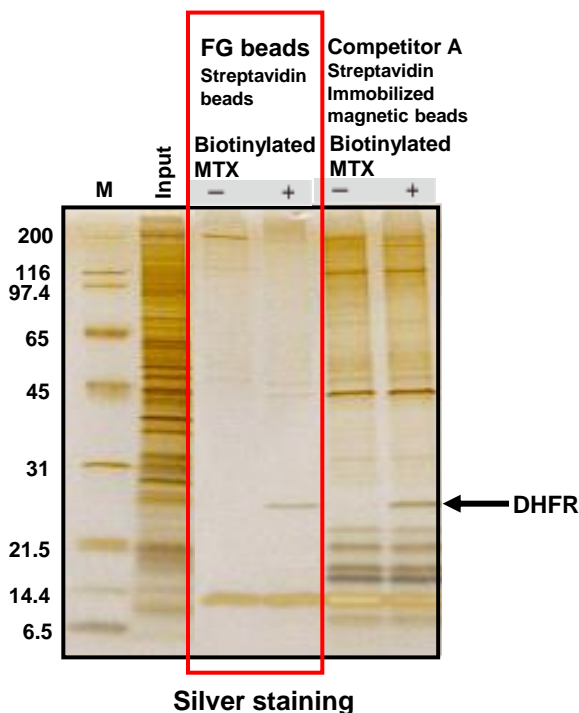
Experimental example - 2

Immobilization of biotinylated antibody (Anti-human serum albumin mouse monoclonal IgG) and immunoprecipitation (IP) of the human serum albumin (HSA) in HeLa cell lysate.

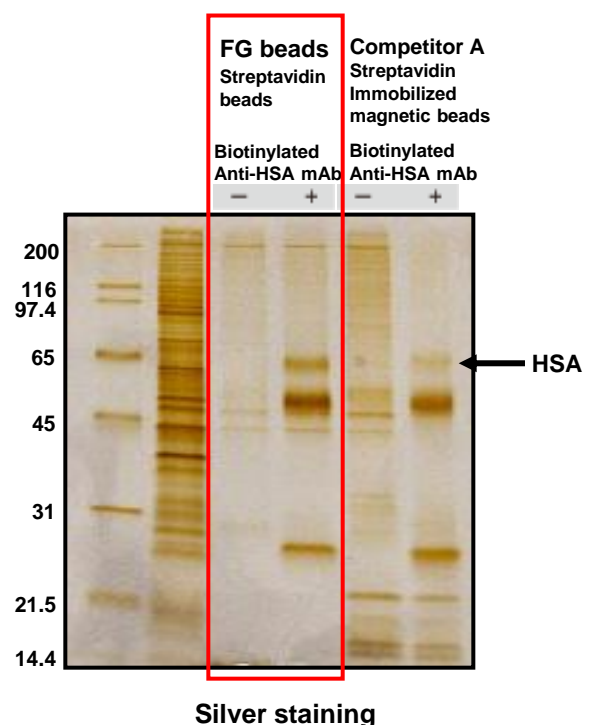


Experimental example - 1

Immobilization of biotinylated substance MTX (Methotrexate) on the Streptavidin beads and affinity purification of the target protein, DHFR (Dihydrofolate reductase).



Non-specific adsorption was extremely low and high purity target protein (DHFR) was affinity purified compared to the streptavidin immobilized magnetic beads of competitor A.



Non-specific adsorption was extremely low and high purity target antigen (HSA) was affinity purified compared to the streptavidin immobilized magnetic beads of competitor A.

■ Typical binding capacities for Streptavidin beads

For 1 mg of Streptavidin beads

Free biotin	>1200 pmol
Biotinylated antibody (*1)	13µg
Biotinylated ss DNA (*2)	13µg

(*1) Binding capacity of commercially-supplied biotinylated anti-human adiponectin mouse monoclonal IgG.

(*2) Binding capacity of 5' biotinylated 50-mer ssDNA.

■ Pricing

Product name	Product number	Amount	Contents (Concentration)	Price USD
Streptavidin Beads	TAS8848N1170	5 mg	0.25 mL x 1 tube (20mg/ml)	\$350
		10 mg	0.25 mL x 2 tube (20mg/ml)	\$700
		20 mg	0.25 mL x 4 tube (20mg/ml)	\$1200



[For Technical Inquires]

TAMAGAWA SEIKI CO., LTD.
Biotronics Laboratory

1879 Ohyasumi, Iida City, Nagano Pref.

395-8515 Japan

Email: FGbeads@tamagawa-seiki.co.jp

Phone: +81-265-21-0501 Fax: +81-265-21-1896

[For sales Inquires]

Percorso Life Sciences

600 W. Germantown Pike, Suite 110

Plymouth Meeting, PA 19462 USA

Email: b.rittenberry@percorsols.com

Phone: 214-995-1427 Fax: 484-368-3558

<http://www.tamagawa-seiki.co.jp>

'12.05