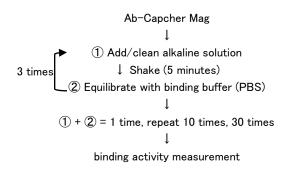


Ab-Capcher Mag[™] Alkaline washing durability test

Activity measurement

Human IgG solution (40 mg/mL) ↓ Add to Ab-Capcher MagTM ↓ Shake (1 hour) ↓ Wash (PBS) ↓ Elute with 0.1 M Glycine-HCI (pH 2.8) ↓ A280nm measurement

Alkaline cleaning



Activity measurement result

	Untreated (mg/mL gel)	10 times (mg/mL gel)	30 times (mg/mL gel)
0.1 N NaOH washes	92.5 (100%)	88.9 (96.2%)	83.6 (90.4%)
0.5 N NaOH washes	91.5 (100%)	78.0 (85.3%)	

Ab-CapcherTM, an alkali-stable Protein A derivative immobilized on highly cross-linked agarose, has been evaluated as a gel carrier that can be washed with alkali. Therefore, the alkali durability of the Ab-CapcherTM magnetic beads was verified by repeatedly performing alkali cleaning with a highly alkaline solution. As a result, Ab-Capcher MagTM retains 90% or more IgG-binding ability after washing 30 times with 0.1 N NaOH and 85% IgG-binding ability after washing 10 times even with 0.5 N NaOH.

Protenova Co., Ltd. 7769-2604

1488 Nishimura, Higashikagawa City, Kagawa Prefecture TEL 0879-49-0702 / FAX 0879-49-0703

Home page http://protenova.com