

Smart-IP Series

Anti-V5-tag mAb-Magnetic Beads

CODE No.	M215-11MS
CLONALITY	Monoclonal
CLONE	OZA3
ISOTYPE	Mouse IgG2b κ
QUANTITY	4 tests (Slurry: 200 μ L)
SOURCE	Purified IgG from hybridoma supernatant
IMMUNOGEN	Carrier protein conjugated synthetic peptide, GKPIPPLLGLDST (V5-tag)
FORMULATION	10 mg magnetic beads in 1 mL PBS/0.1% BSA/0.1% Proclin 150
STORAGE	This beads suspension is stable for one year from the date of purchase when stored at 4°C.

APPLICATION-CONFIRMED

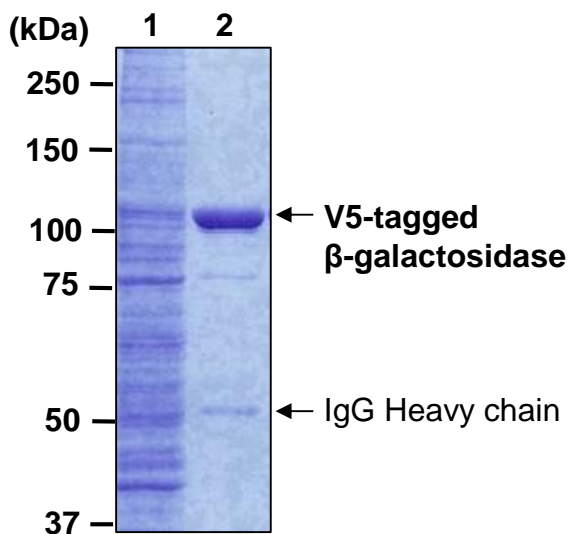
Immunoprecipitation 50 μ L of beads slurry/sample

*The purification capacity of Anti-V5-tag mAb-Magnetic Beads varies depending upon the characteristics of a V5-tagged protein. For example, 50 μ L of beads slurry binds 3.2 μ g of a V5-tagged protein (35 kDa).

For more information, please visit our web site <https://ruo.mbl.co.jp/>.

Immunoprecipitation

- 1) Wash 5×10^6 cells 3 times with PBS and suspend with 1 mL of Extraction buffer [50 mM Tris-HCl (pH 7.5), 150 mM NaCl, 1% NP-40].
- 2) Centrifuge the tube at $12,000 \times g$ for 5 min. at 4°C and transfer the supernatant to another tube.
- 3) Add magnetic beads as suggested in the **APPLICATION** into 400 μL of the supernatant prepared in step 2). Mix well and incubate with gentle agitation for 1 hr. at 4°C .
- 4) Place the tube on the magnetic rack (MBL; code no. 3190) for a few seconds.
- 5) Remove the supernatant.
- 6) Wash the bead pellet 4 times with 1 mL of Wash buffer [50 mM Tris-HCl (pH 7.5), 150 mM NaCl, 0.05% NP-40] (place the tube on the magnetic rack for a few seconds).
- 7) Resuspend the bead pellet in 20 μL of Laemmli's sample buffer, boil for 2 min., and place the tube on the magnetic rack for a few seconds.
- 8) Load 20 μL of the sample per lane in a 1-mm-thick SDS-polyacrylamide gel and carry out electrophoresis.
- 9) Visualize the protein bands by CBB staining.



Immunoprecipitation of V5-tagged protein

Sample: V5-tagged β -galactosidase/HEK293T whole cell lysate

Lane 1: Input (10 μL /lane)

Lane 2: Post-IP beads of Anti-V5-tag mAb (M215-11)