MOUSE IGG MAGNETIC PRE-CLEARING BEADS

Catalog Number	TA120002
Product Name	Mouse IgG magnetic pre-clearing beads
Amount	1mL
Conjugate	Magnetic beads
Formulation	TBS (pH7.4) containing 50% Glycerol, 0.02% NaN3
Storage/Stability	Store at -20ºC. Stable for at least 1 year from date of shipment.
Application	IgG-Agarose can be used as an immunoadsorbent. Pre-clearing the lysate can help reduce non-specific binding of proteins to magnetic beads. Pre-clearing with mouse IgG magnetic pre-clearing beads will remove proteins that bind immunoglobulins and magnetic beads non-specifically. This step will give a lower level of background for immunoprecipitation or protein purification. Optimal working conditions should be determined experimentally by the investigator. Suggested starting dilution 25uL magnetic beads conjugated with mouse IgG for pre-clearing for 5-10ug target protein.
Safety	This product contains sodium azide. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Upon disposal of material, flush with a large volume of water to prevent azide accumulation.
Note	This product is for laboratory research use only and is not intended for diagnostic use.

Example of Procedure

1. Prepare mouse IgG magnetic pre-clearing beads by mixing well within the bottle.
2. Pipette out 50uL mouse IgG magnetic pre-clearing beads and transfer to 1.5mL Eppendorf tube.
3. Place the tube to magnetic stand for 1-2 minutes until all of the mouse pre-clearing magnetic beads attach to the side of the tube. Remove the liquid from the bottom of the tube with puppets without disturbing the beads.
4. Wash the magnetic beads by applying 1mL RIPA buffer and mix well.
5. Place the tube to magnetic stand for 1-2 minutes again. Remove the RIPA buffer from the bottom of the tube with puppets without disturbing the beads.
6. Repeat step 4 & 5 three times to clean the mouse IgG magnetic pre-clearing beads.
7. Mix the mouse IgG magnetic pre-clearing beads with protein mixture sample well (cell lysate expressing target protein and/or negative control lysate) and incubate for 1 hour at 4^{o}C. This step is to pre-clean the sample and avoid the non-specific binding at the following steps.
8. After pre-clearing, magnetic separate the samples from the mouse IgG magnetic pre-clearing beads with magnetic stands. Transfer the supernatant carefully to another new 1.5mL Eppendorf tube. The pre-clearing sample now is ready for immunoprecipitation or protein purification procedure.