

Co-Immunoprecipitation (Co-IP) Kit (For Plant)

Cat. No. KITMI-IP02P **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | <p>Co-Immunoprecipitation is a method for studying protein-protein interactions, which use of the specific interaction between antigen and antibody as the basis for precipitation. The antibody binds to the corresponding protein in the lysate and they are then incubated with ProteinA/G coupled Sepharose or Magnetic Beads, the antigen-antibody complexes are collected by centrifugation or with the help of magnetic racks. ProteinA/G magnetic bead-antibody - target protein complexes are obtained, and the antigen and antibody is dissociated under the action of high temperature and reducing agent. The supernatant, which includes antibody, target protein and a small amount of miscellaneous protein, is collected and then analyzed by Western Blot (WB) or mass spectrometry (MS) to identify the proteins. In contrast to the Co-IP Kit for animal, this kit covers special plant lysis buffer and is primarily used to study plant protein interactions</p> |
| Size | 6 tests |
| Storage | Antibodies and protease inhibitors need to be stored at -20°C and the rest at 4°C |
| Applications | Plant protein interaction |
| Notes | 6 tests mean 6 times of single group (1 group of IP or 1 group of IgG) immunoprecipitation experiments. The following procedure includes 1 group of IgG and 1 group of IP, which consumes 2 test reagents |
| Shipping | On Ice |

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Kit Components

Plant Lysis buffer: 9mL
ProteinA/G Magnetic Beads: 200uL
Incubation buffer: 4.5mL
Wash buffer: 20mL
Elution buffer: 700uL
Plant Protease inhibitor (100X): 35uL
Normal Rabbit IgG (1mg/mL): 30uL
Normal Mouse IgG (1mg/mL): 30uL

**Materials Required
but Not Supplied**

PBS, 6X protein loading buffer, magnetic rack and other reagent consumables

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