

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

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

SPECIFICATION

Product Overview

Co-Immunoprecipitation is a method for studying protein-protein interactions, which use 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 Protein A/G coupled Sepharose or Magnetic Beads, the antigen-antibody complexes are collected by centrifugation or with the help of magnetic racks. Protein A/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

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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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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