



YamayBio

Phosphatase Inhibitor Cocktail (100×)

QUICK START GUIDE

Research use only.
Not for diagnostic procedures.

Contents and storage

Phosphatase Inhibitor Cocktail (100×)

BH5482 1mL

Storage: Store at -20°C for 12 months. Product shipped in ice packs.

Introduction

This product is a broad-spectrum phosphatase inhibitor that efficiently blocks various cellular phosphatases, including serine/threonine phosphatases, tyrosine phosphatases, acid phosphatases, and alkaline phosphatases. It is suitable for protein quantification and activity-based assays such as Western blot, Co-IP, pull-down, immunofluorescence (IF), and immunohistochemistry (IHC), providing effective protection against dephosphorylation during sample preparation.

Ingredient description

Formulated with 8 highly effective phosphatase inhibitors such as sodium fluoride, sodium orthovanadate, sodium molybdate, sodium tartrate, imidazole, sodium pyrophosphate decahydrate, β -glycerophosphate, and cantharidin.

Quick Start Protocol

1. Equilibrate the bottle to room temperature.
2. Vortex thoroughly to ensure a homogeneous suspension.
3. Immediately before use, add the Phosphatase Inhibitor Cocktail to the cell lysate or extract at a 1:100 (v/v) dilution to achieve a final 1X concentration.

Note:

1. Avoid using EDTA-containing protease inhibitors with this product, as EDTA may interfere with key components of the phosphatase inhibitor cocktail, which already includes chelating agents.
2. Due to the high concentration of this product, slight crystalline precipitates may form during long-term storage. This is normal and does not affect performance.
3. A 1:100 dilution is the recommended standard usage. If phosphatase activity is high, the concentration of the inhibitor can be increased accordingly.