

Phosphatase Inhibitor Cocktail (EDTA free)

Phosphatase Inhibitor Cocktail is a mixture of several inhibitors to protect valuable proteins from dephosphorylation. The product preserves phosphorylated proteins existing in small quantity in cells and tissues. This product does not interfere with metalloproteins since it is EDTA free.

- » Contains 6 kinds of phosphatase inhibitors for different targets.
- » 100 times concentrated stock solution. Dilute with any buffer of your choice.
- » Compatible with protein assay.
- » Ready-to-use reagent.

Comparison data

The product inhibits Ser/Thr phosphatase, Tyrosine Phosphatase, Acid Phosphatase and Alkaline phosphatase. The product preserves a small quantity of phosphorylated protein.

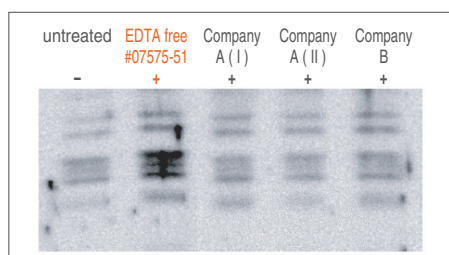


Figure 1. The detection of phosphorylated proteins in HeLa cells with p-Thr antibody

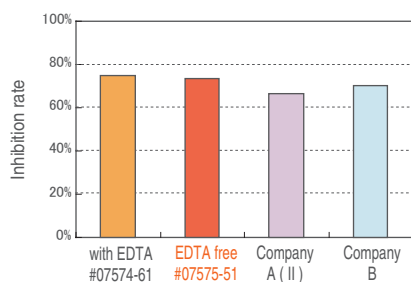


Figure 2. The inhibition effect of phosphatase assayed using fluorescence labeled p-Tyr peptide substrate

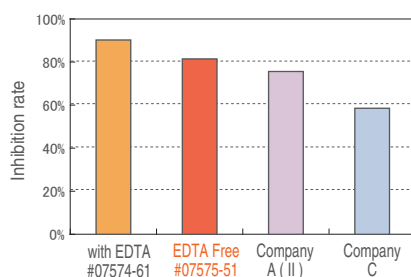


Figure 3. The inhibition effect of phosphatase assayed using p-nitrophenylphosphoric acid.

Composition

Inhibitors	#07575-51 EDTA free	#07574-61
Sodium orthovanadate (V)	✓	✓
Disodium molybdate (VI) dihydrate	✓	✓
Sodium (+)-tartrate dihydrate	✓	✓
Imidazole	✓	✓
Sodium fluoride	✓	✓
b-Glycerophosphoric acid disodium salt	✓	✓
tetra-Sodium ethylenediaminetetraacetate		✓

* 100 times concentrated aqueous solution

Reference

1. Yang, JH. et al. The Journal of Biological Chemistry, Oct 2010.
2. Selamat, W. et al. Neuroscience Letters 450(2), 163-166 (2009)
3. Saito, T. et al. Biochemical and Biophysical Research Communications 357(2), 371-376 (2007)
4. Murakami, Y. et al. J. Biochem., 141, 401-410 (2007)
5. Takenaga, M. et al. J. Cell Sci., 120, 2078-2090 (2007)

Ordering Information

Product name	Storage	Product number	PKG size
Phosphatase Inhibitr Cocktail (EDTA free) (100x)	2-8°C	07575-51	1 ml
Phosphatase Inhibitr Cocktail (100x)	2-8°C	07574-61	1 ml