Cat.:BR4C122

Phosphatase Inhibitor Cocktail (100×)

V01

Product Description

Samples such as cell or tissue extracts contain numerous endogenous proteases and phosphatases, which can readily lead to protein degradation or demodification in the extracts, thereby affecting subsequent protein detection. Therefore, adding appropriate protease and phosphatase inhibitors to extracts and similar samples is an effective method to prevent protein degradation and demodification. This product, Phosphatase Inhibitor Cocktail (100×) Phosphatase Inhibitor Mixed Solution, contains sodium fluoride, β-glycerophosphate, and sodium orthovanadate as phosphatase inhibitors. Among these, sodium fluoride serves as a reversible inhibitor for acid phosphatase; β-glycerophosphate acts as a reversible inhibitor for serine/threonine phosphatase; and sodium orthovanadate functions as a reversible inhibitor for alkaline phosphatase and tyrosine phosphatase.

Components

Components	BR4C122-01
Phosphatase Inhibitor Cocktail (100×)	1 mL

Storage

Store at -20±5℃.

Notes

1.This product is only for scientific research purposes, not for clinical diagnosis.
2.The product should be mixed thoroughly before use and avoid repeated freeze-thaw cycles.
3.This product is a 100× stock solution of phosphatase inhibitor mixture. When using, add it to the lysis buffer at a ratio of 1:100, mix well, and it is ready for use.
4.Lysis buffer containing a mixture of protease inhibitors should be prepared and used immediately, rather than being frozen for later use. After the required inhibitors have been added and thoroughly mixed, routine cell or tissue lysis and protein extraction can commence.
5.This product may be appropriately aliquoted for storage and should be added to suitable solutions such as lysis buffer before use.
6.The phosphatase inhibitor contained in this product is harmful to humans. Handle with care and take effective protective measures to avoid direct contact with the human body or inhalation.
7.For your safety and health, wear laboratory coats and disposable gloves during operation.

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