

Protease Inhibitor Cocktail (100×, EDTA-free)

(WB001)

Product Description

Samples such as cell or tissue extracts contain various endogenous proteases, phosphatases and other enzymes, which are prone to cause degradation or demodification of proteins in the extracts and thus affect protein detection results. Therefore, adding an appropriate amount of endogenous enzyme inhibitors to extract samples is an effective method for protein protection. This product is a universal protease inhibitor cocktail prepared with DMSO as the solvent, which exerts a broad-spectrum inhibitory effect on serine proteases, cysteine proteases, aspartic proteases, aminopeptidases and other enzymes. It can be widely used in experiments such as Western Blot (WB), cell sonication and Radioimmunoprecipitation Assay (RIPA).

Components

Product Name	Cat. No.	Volume
Protease Inhibitor Cocktail (100×, EDTA-free)	WB001	1 mL×5

Storage Conditions

Store at -30 ~ -15°C and transport on dry ice. The shelf life is one year.

Notes

1. This product is for scientific research use only and shall not be used for clinical diagnosis, treatment or other clinical applications.
2. For your safety and health, wear a lab coat and disposable gloves during operation.

Usage Method

It is recommended to add the Protease Inhibitor Cocktail (100×, EDTA-free) to the lysate at a ratio of 1:100, and the mixture can be used for routine protein extraction from cells or tissues.

Inhibitor	Target Enzyme Family
AEBSF	Serine proteases (e.g., trypsin, chymotrypsin, plasmin, etc.)
Aprotinin	Serine proteases; human leukocyte elastase
Bestatin	Aminopeptidases

E64	Cysteine proteases
Leupeptin	Serine and cysteine proteases
Pepstatin A	Aspartic proteases