

500×Cell Stimulation Cocktail MIX (With protein transport inhibitor)

CAT NO.: IKM2000

Storage: -20°C, 6 months.

Size: 100μL/4*100μL

Production

In the cell, the activation of PKC can cause the phosphorylation of many protein kinases downstream, forming a cascade reaction, resulting in the expression of a variety of proteins, and then lead to cell activation. PKC can be activated by DAG and Ca²⁺. PMA is an effective activator of PKC. Ionomycin is a potent, selective calcium ionophores. PMA is often used in combination with Ionomycin to stimulate immune cell activation and induce cytokine production in cell cultures in vitro. At the same time, protein transport inhibitors can also be added to inhibit the exocrine of cytokines to accurately analyze the expression level of cytokines.

500×Cell Stimulation Cocktail MIX (With protein transport inhibitor) is a cocktail of PMA, Ionomycin, Brefeldin A and Monensin. Treatment with PMA and Ionomycin is sufficient to induce activation of many cell types to produce cytokines. Brefeldin A and Monensin result in the accumulation of secreted proteins in the endoplasmic reticulum and Golgi apparatus. Thus, the 500×Cell Stimulation Cocktail MIX (With protein transport inhibitor) can be used for induction and subsequent intracellular detection of cytokines and other secreted proteins in both in vitro-cultured and ex vivo cells.

For an unstimulated and vehicle control, see the 500×Protein transport inhibitor Cocktail MIX (CAT: IKM2020).

Composition: 40.5 μM PMA、670 μM Ionomycin、5.3 mM Brefeldin A、1 mM Monensin

Note

1. Before use, please centrifuge each tube of small dose reagent instantaneously to avoid loss.
2. This product is for scientific research only. Do not use for medicine, clinical diagnosis or treatment, food and cosmetics.
3. For your safety and health, please wear a laboratory coat, disposable gloves and a mask.

Related Products

IK-CEA-1 Cell Stimulation Kit (With protein transport inhibitor)

IK-CEA-2 Cell Stimulation Kit (Without protein transport inhibitor)

IK-PTI-1 Protein transport inhibitor Kit

IKM2000 500×Cell Stimulation Cocktail MIX (With protein transport inhibitor)

IKM2010 500×Cell Stimulation Cocktail MIX (Without protein transport inhibitor)

IKM2020 500×Protein transport inhibitor Cocktail MIX