

Monensin Solution (1000X)

Catalog Number: 00-4505

GPR: General Purpose Reagents. For Laboratory Use.

Product Information

Contents: Monensin Solution (1000X)

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 **Temperature Limitation:** Store at 2-8°C.

 **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

Description

Monensin is an inhibitor of intracellular protein transport. Incubation of cells in culture with Monensin leads to blockade of protein transport to the Golgi complex (GC) and accumulation of proteins in the endoplasmic reticulum (ER). Addition of Monensin during the last hours of in vitro activation of cells results in enhanced detection of intracellular cytokines. Monensin is effective for enhanced detection of a majority of mouse and human intracellular cytokines; however, it is advised that the investigators evaluate the use and efficacy of this reagent as well as other protein transport inhibitors such as Brefeldin A in their specific assay system.

Applications Reported

The Monensin Solution is supplied at 1000X working concentration. Prior to addition to the cell cultures, a 1:1000 dilution in the culture media should be made. The final concentration of the monensin (at 1x) is 2 µM.

Related Products

00-4500 Mouse Cytokine Positive Control Cells

00-4506 Brefeldin A Solution (1000X)

00-4509 Human Cytokine Positive Control Cells

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)

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