

## eBioscience™ Mouse Cytokine Positive Control Cells

Catalog Number: 00-4500

**RUO: For Research Use Only. Not for use in diagnostic procedures.**

### Product Information

**Contents:** eBioscience™ Mouse Cytokine Positive Control Cells

**REF** **Catalog Number:** 00-4500



**Temperature Limitation:** Store at less than or equal to -70°C for up to 6 months. Short term storage at 4°C.

**LOT**

**Batch Code:** Refer to vial



**Use By:** Refer to vial

### Description

The Mouse Cytokine Positive Control Cells are recommended for use as positive control cells when establishing an intracellular cytokine staining protocol. Mouse splenocytes were stimulated with ConA (3 µg/mL) for two days, followed by recombinant IL-2 (20 ng/mL) and IL-4 (20 ng/mL) for three days. The cells were then restimulated with immobilized anti-mouse CD3 (10 µg/mL) and soluble anti-mouse CD28 (2 µg/mL) in the presence of Brefeldin A for 5 hours. These cells contain subpopulations that express IL-2, IL-3, IL-4, IL-10, GM-CSF, and IFN $\gamma$ . The cells have been fixed with formaldehyde and are provided in a stabilizing buffer so that they may be stored at -80°C for up to six months or at 2-8°C for up to one month.

### Applications Reported

These cells have been fixed with eBioscience IC Fixation Buffer (cat. 00-8222) and need to be permeabilized before the addition of fluorochrome-conjugated antibodies. For each test, use 100 µL of the positive control cells and wash two times with eBioscience Permeabilization Buffer (10X) (cat. 00-8333).

Please refer to Best Protocols. intracellular Immunofluorescent Staining for Flow Cytometry webpage for intracellular staining protocols.

### Related Products

00-8222 eBioscience™ IC Fixation Buffer

00-8333 eBioscience™ Permeabilization Buffer (10X)

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