

## Human Cytokine Positive Control Cells

Catalog Number: 00-4509


RUO: For Research Use Only

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### Product Information

Contents: Human Cytokine Positive Control Cells

 Catalog Number: 00-4509

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

 Batch Code: Refer to Vial

 Use By: Refer to Vial

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### Description

The Human Cytokine Positive Control Cells are recommended for use as positive control cells when establishing an intracellular cytokine staining protocol. Normal human peripheral blood cells were stimulated for two days with immobilized anti-human CD3 (10 µg/mL), soluble anti-human CD28 (2 µg/mL), and recombinant IL-2 (10 ng/mL) and IL-4 (20 ng/mL), followed by three additional days of culture with IL-2 and IL-4. The cells were then restimulated with PMA (5 ng/ml) and ionomycin (500 ng/ml) in the presence of Brefeldin A for 4 hours. These cells contain subpopulations that express IL-2, IL-4, IL-13, IFN $\gamma$ , and GM-CSF. The cells have been fixed with formaldehyde and are 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 visit the Intracellular Immunofluorescent Staining for Flow Cytometry webpage for intracellular staining protocols.

### Related Products

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)

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