



PRODUCT DATA SHEET

CTL Human B-Poly-SE™

Catalog No.: CTL-HBPOLYSE-35, CTL-HBPOLYSE-160

Product: CTL Human B-Poly-SE™

Description: Polyclonal B cell stimulation

Packaging Size: 35µl, 160µl per vial diluted in PBS, 0.1% (w/v) BSA

Concentration: 333x

Lot: _____

Formulation: CTL Human B-Poly-SE™ is a stock solution containing anti-CD40 mAb, recombinant Human IL-4 and recombinant Human IL-21; which is used for polyclonal stimulation of resting B cells.

Storage: Store refrigerated at 2 - 8°C for up to 7 days. For long-term storage, freeze at -20°C or below.

Recommended Usage: Prestimulation of cells is recommended for most in vitro ASC applications. Following aseptic technique, supplement 10ml of assay medium with 30µl Human B-Poly-SE™ reagent. An initial cell density of 1-4 x 10⁶/ml is appropriate for unfractionated PBMC or splenocytes. If culturing purified B cells, an initial cell density of 2-5 x 10⁴/ml is advised. B-Poly-SE™ leads to differentiation of antibody-secreting cells (ASC) capable of secreting individual Ig classes (including IgE) after 5-7 days of in vitro culture.

QC: Each batch is tested for optimum performance and the ability to elicit IgE⁺ ASC.

Reference: Franke F, Kirchenbaum GA, Kuerten S and Lehmann PV. (2020) IL-21 in conjunction with anti-CD40 and IL-4 constitutes a potent polyclonal B cell stimulator for monitoring antigen-specific memory B cells. Cells, 9, 433.

For laboratory research use only. Not for use in diagnostic or therapeutic procedures.