



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 for 4-6 days is recommended for most in vitro ASC applications. Following aseptic technique, add 30µl CTL B-Poly-SE™ per 10ml of assay medium. An initial cell density of $1-4 \times 10^6$ /ml is appropriate for unfractionated PBMC or splenocytes. If culturing purified B cells, an initial cell density of $2-5 \times 10^4$ /ml is advised. B-Poly-SE™ leads to differentiation of antibody secreting cells (ASC) capable of secreting individual Ig classes (including IgE).

QC: Each batch is tested for optimum performance and the ability to elicit IgE ASC in B cell ImmunoSpot assays.

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.