

## Anti-IL-4 [11B11] Vivopure 100 mg Ab00147-1.1-VPB

This is a chimeric antibody created to reduce immunogenicity during in vivo applications.

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** 11B11

**Alternative Name(s) of Target:** Interleukin-4; IL4; IL-4; B-cell IgG differentiation factor; B-cell growth factor 1; B-cell stimulatory factor 1; BSF-1

**UniProt Accession Number of Target Protein:** P07750

**Published Application(s):** in vivo, ELISA, FC, IHC

**Published Species Reactivity:** Mouse

**Immunogen:** BSF-1 / IL-4 purified from serum-free supernatants of cultured EL-4 cells (a C57BL/6 thymoma) induced with 4 $\beta$ -phorbol 12 $\beta$ -myristate 12 $\alpha$ -acetate for 48h.

**Specificity:** Binds to a core functional region of murine IL-4, which prevents this cytokine from interacting with its cognate receptor (Yao et al., 2006 PMID: 16361318).

**Application Notes:**

**Antibody First Published in:** Ohara J, Paul WE. Production of a monoclonal antibody to and molecular characterization of B-cell stimulatory factor-1. Nature. 1985 May 23-29;315(6017):333-6. [PMID:2582266](#)

**Note on publication:** Describes the isolation of the monoclonal antibody and its use in studying IL-4 (before it was named IL-4).

## Product Form

**Size:** 100 mg Vivopure products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. As a result Vivopure products are the ideal choice for in vivo research applications.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only, with >98% antibody purity and <1 EU/mg guaranteed.

**Storage Recommendation:** All vivopure products are formulated in PBS only without addition of preservatives. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions. Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**  $\geq$ 1mg (see vial label for exact conc)

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.