

## Anti-CD19 [6D5] VivopureX 5 mg Ab01489-2.0-VXM

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, Kappa

**Clone Number:** 6D5

**Alternative Name(s) of Target:** Leu12; B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4; Differentiation antigen CD19 T-cell surface antigen Leu-12; CD19; B4

**UniProt Accession Number of Target Protein:** P15391

**Published Application(s):** IP, WB, FC, IHC

**Published Species Reactivity:** Mouse

**Immunogen:** This antibody was raised by immunising rats with mouse CD19-expressing K562 human erythroleukemia cells.

**Specificity:** This antibody recognises mouse CD19, which is a transmembrane glycoprotein that regulates B lymphocyte development, activation, and differentiation. This clone 6D5 recognizes the same epitope as the published clone 1D3.

**Application Notes:** 6D5 antibody has been extensively used to identify B cells in various experimental arrangements. It can be efficiently utilised in the localisation of B cells in various tissues. For instance, one group stained murine spleen tissue cryosections to visualise lymphomas in azathioprine-treated mice (Chalastanis et al., 2010). This antibody has also been widely used in flow cytometry. One group utilised in the flow cytometric identification of B cells in a study investigating the relation of microglia depletion and MPTP neurotoxicity (Yang et al., 2018).

**Antibody First Published in:** Krop et al. Self-renewal of B-1 lymphocytes is dependent on CD19. Eur J Immunol. 1996 Jan;26(1):238-42. [PMID:8566073](#)

**Note on publication:** This article describes the method of generation of antibodies like 6D5.

## Product Form

**Size:** 5 mg VivopureX products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. These antibodies are chimerized to have an Fc domain matching their target species to reduce immunogenicity and give you the optimal effector function for your experiment. As a result VivopureX products are the ideal choice for in vivo research applications.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** All VivopureX 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:**  $\geq 1$ mg (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.