

## Anti-CD19 [6D5] Bulk Size bAb0249-BT

This antibody is a knob-into-hole bispecific based on murine IgG2a with an Fc Silent™ mutation, featuring one arm with an anti-mouse CD3e scFv based on the clone 145-2C11.

This is a bispecific, knob-into-hole heterodimerized antibody, with one arm directed against mouse CD19 (Fab) and one arm directed against mouse CD3e (scFv).

**Isotype and Format:** Mouse IgG2a mCD3e KIH bispecific, Fc Silent™, 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:** 500 µg Purified antibody in bulk size.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

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