

Anti-CD19 [6D5] Standard Size Ab01489-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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, [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: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.