

Anti-CD19 [1D3] Standard Size Ab03688-2.3

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

This is a reformatted mouse IgG2a Fc Silent™ antibody, based on the original mouse IgG2a format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: 1D3

Alternative Name(s) of Target: B-lymphocyte antigen CD19; Differentiation antigen CD19

UniProt Accession Number of Target Protein: P25918

Published Application(s): FC;

Published Species Reactivity: Mouse

Immunogen:

Specificity: The antibody is specific for mouse CD19.

Application Notes: The scFv fragment of the antibody was employed in the generation of a chimeric antigen receptor (CAR) which bound to CD19. Mice were administered mouse CAR-expressing cells or control cells. Anti-muCD19 CAR-T mice exhibited elevated serum IL-6 levels on day 2 after CAR-T administration, with a decrease at day 5, compared to control mice that exhibited very low or no increase in serum IL-6 levels. A20 tumor bearing mice were administered CPA and anti -mouse CD 19 CAR-T cells and evaluated for various parameters. Animals treated with CPA and anti-mouse CD 19 CAR-T cells were observed to have elevated levels of serum cytokines, as compared to controls (EP3644721A1).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 100 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.