Anti-IL-2 [S4B6] Standard Size Ab00440-2.3

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

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, Fc Silent™, Kappa
Clone Number: S4B6
Alternative Name(s) of Target: Interleukin-2
UniProt Accession Number of Target Protein: P04351
Published Application(s): Blocking, SPR, ELISA
Published Species Reactivity: Mouse
Immunogen: Interleukin-2.
Specificity: This antibody binds specifically to mouse IL-2.
Application Notes: This antibody binds to Interleukin-2, a protein produced by T-cells in response to antigenic or mitogenic stimulation. It triggers T-cell proliferation and can stimulate B-cells, monocytes, natural killer cells and glioma cells. The antibody blocks the Il-2:IL-2R-beta interaction.
Antibody First Published in: Spangler et al. Antibodies to Interleukin-2 Elicit Selective T Cell Subset Potentiation through Distinct Conformational Mechanisms. Immunity 2015; 42(5):815-8125 PMID:25992858
Note on publication: Describes the generation of two monoclonals against mouse IL-2 and subsequent blocking studies.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

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

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