

Anti-IL-2 [LNKB-2] Standard Size Ab00232-23.0

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

Isotype and Format: Rabbit IgG, Kappa

Clone Number: LNKB-2

Alternative Name(s) of Target: Interleukin 2; LNKB2

UniProt Accession Number of Target Protein: P60568

Published Application(s): crystallization, FACS, Latex agglutination, WB, ELISA, FC, IF

Published Species Reactivity: Human

Immunogen:

Specificity: This antibody binds human IL-2 at the 59-72 site of the IL-2 sequence.

Application Notes: This antibody was quantified by ELISA and used for latex-agglutination analysis of human IL-2. It was measured to bind human IL-2 with high affinity ($K_a \approx 3 \times 10^8 \text{ M}^{-1}$) (Lunev et al., 1990; PMID: 1718463). This antibody has been used successfully for WB and FACS (Stratieva-Taneeva et al., 1993; PMID: 8359822). The crystal structure characterization of the Fab version of this antibody was performed (Fokin et al., 2000; PMID: 11040993). Further crystallization of the Fab version of this antibody with an antigenic peptide revealed that the antibody-antigen complexation involves a significant rearrangement of the epitope-containing region of the IL-2 with retention of the α -helical character of the epitope fragment (Afonin et al., 2001; PMID: 11468348).

Antibody First Published in: Lunev et al. Latex-agglutination analysis of human recombinant interleukin-2 with monoclonal antibodies Biomed Sci. 1990 Jan;1(1):68-72 [PMID:1718463](#)

Note on publication: The original publication describes the generation and characterization of monoclonal antibodies to human interleukin-2.

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.