



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-IL-2 [UFKA-20] Bulk Size Ab02947-10.0-BT

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** UFKA-20

**Alternative Name(s) of Target:** IL2; IL-2; TCGF; Interleukin-2; T-cell growth factor; Aldesleukin

**UniProt Accession Number of Target Protein:** P60568

**Published Application(s):** ELISA, FC

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated immunizing Balb/c mice with human IL-2.

**Specificity:** This antibody binds human IL-2. In particular, the antibody binds IL-2 dorsolaterally, with an angle of 55° counterclockwise to the vertical axis, contacting the C- and B-helices of IL-2 and thereby forming a “clamp” around the C-helix. The antibody engages IL-2 residues D84, N88, V91, E61, E68, and K64.

**Application Notes:** This antibody binds to Interleukin-2, a protein produced by T-cells in response to antigenic or mitogenic stimulation. IL-2/UFKA-20 complex shows an improved selectivity towards regulatory T cells compared to IL-2 alone. IL-2/UFKA-20 can recognize the receptor IL of regulatory T cells on the base of the presence of CD25, therefore called CD25 bias. IL-2/UFKA-20 complex is able to efficiently stimulate CD25+ Treg cells in mice and rhesus macaques in vivo as well as in humans ex vivo.

**Antibody First Published in:** Karakus et al. Receptor-gated IL-2 delivery by an anti-human IL-2 antibody activates regulatory T cells in three different species. *Sci Transl Med.* 2020 Dec 16;12(574):eabb9283.

[PMID:33328333](#)

**Note on publication:** The authors identified a anti-human IL-2 antibody which was particularly efficient in delivering IL-2 to cells expressing trimeric IL-2Rs. Further IL-2/UFKA-20 complex, crystal structure, mechanism of action are described.

### Product Form

**Size:** 1 mg 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.