Product datasheet

Anti-IL2 antibody ab10752

1 References

Overview

Product name  Anti-IL2 antibody
Description  Goat polyclonal to IL2
Host species  Goat
Specificity  The product shows no cross-reactivity with other cytokines tested using indirect ELISA.
Tested applications  Suitable for: ELISA, WB, Neutralising
Species reactivity  Reacts with: Mouse, Human
Immunogen  Recombinant human Interleukin 2 (IL2), expressed in E. coli.
Positive control  Purchase matching WB positive control: Recombinant human IL2 protein
General notes  Endotoxin: <10 ng/vial by LAL method.

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer  Preservative: None
Constituents: PBS
Purity  Protein G purified
Purification notes  The product is purified by Protein G affinity chromatography.
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab10752 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
ELISA: Use at a concentration of 1 µg/ml to detect 0.6 ng/well of recombinant human IL2.
Neut: Use at a concentration of 0.8 - 8.0 µg/ml.
WB: Use at a concentration of 2 µg/ml, this detects 5 ng/lane of recombinant human IL2 under reducing conditions and 20 ng/lane under non-reducing conditions. Predicted molecular weight: 19 kDa.

Anti-Human IL2 is tested for its ability to neutralize the biological activity of recombinant, human IL2 on CTLL2 cells. The ND50 of the antibody is defined as the concentration of antibody resulting in a one-half maximal inhibition of bioactivity of recombinant, human IL2, when IL2 is present at a concentration just high enough to elicit a maximum response.

Not tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Function
Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.

Involvement in disease
Note=A chromosomal aberration involving IL2 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with involves TNFRSF17.

Sequence similarities
Belongs to the IL-2 family.

Cellular localization
Secreted.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit http://www.abcam.com/abpromise or contact our technical team.
Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors