abcam

Product datasheet

Anti-IL-2 antibody ab9855

2 Images

Overview

Product name	Anti-IL-2 antibody
Description	Rabbit polyclonal to IL-2
Host species	Rabbit
Tested applications	**Suitable for:** WB, Sandwich ELISA
Species reactivity	**Reacts with:** Mouse
Immunogen	Highly pure (>98%) recombinant mIL-2 (mouse Interleukin-2)
Positive control	WB: Recombinant mouse IL2 protein (**ab9856**).

Properties

Form	Lyophilized:Reconstitute with 200µl of sterile water.
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	No preservative, sterile filtered
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG
Light chain type	unknown

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab9855 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

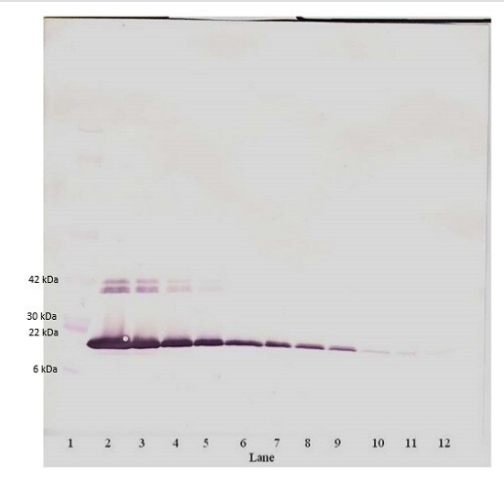
Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.2 µg/ml. Predicted molecular weight: 15 kDa. The detection limit for recombinant mIL-2 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Application	Abreviews	Notes
Sandwich ELISA		Use a concentration of 0.5 - 2 µg/ml. Use 100 µl/well antibody solution. Detects 0.2 - 0.4 ng/well of recombinant mouse IL-2.

Target

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.

Images

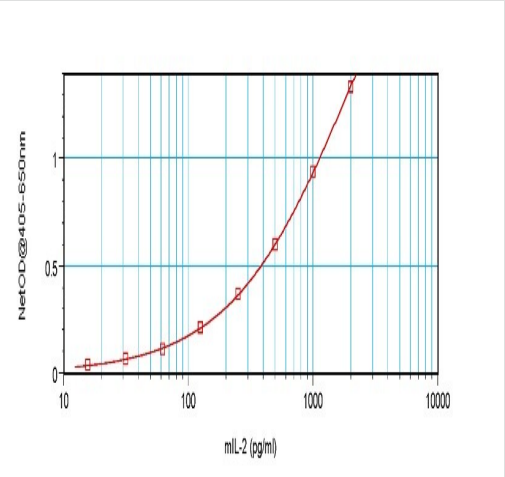


Western blot - Anti-IL-2 antibody (ab9855)

To detect murine IL-2 by Western Blot analysis ab9855 can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant murine IL-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Image shown is non-reducing conditions; Murine recombinant IL-2 protein at 250 - 0.24 ng/ml.

Lane 1 is MW marker, lanes 2-12 murine recombinant IL-2 protein.



Sandwich ELISA - Anti-IL-2 antibody (ab9855)

To detect murine IL-2 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of ab9855 is required. This antigen affinity purified antibody, in conjunction with anti-IL-2 antibody (Biotin) (**ab83133**) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant murine IL-2.

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