

Product datasheet

Anti-IL-2 antibody [EPR2780] ab92381

Recombinant RabMAb

★★★★★ [2 Abreviews](#) [17 References](#) [4 Images](#)

Overview

Product name	Anti-IL-2 antibody [EPR2780]
Description	Rabbit monoclonal [EPR2780] to IL-2
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: Flow Cyt (Intra), IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human IL-2 aa 50-150. The exact sequence is proprietary.
Positive control	WB: Recombinant human IL-2 full length protein and Jurkat (Human T cell leukemia cell line from peripheral blood) treated with 40nM Phorbol-12-myristate-13-acetate, 2 µM A23187 and 300 ng/ml Brefeldin A (45 min delay) overnight whole cell lysate. ICC/IF: PBMC cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR2780
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab92381 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

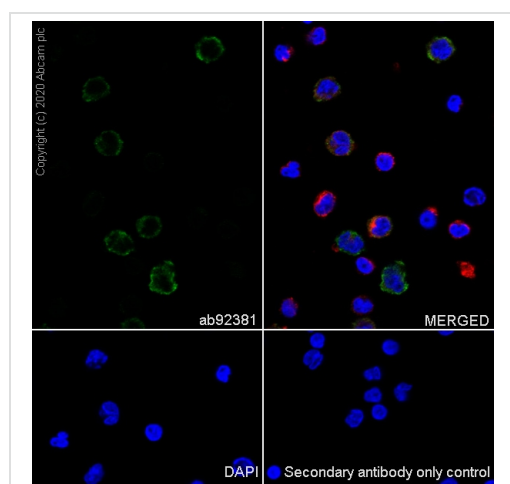
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 18 kDa.
ICC/IF		1/500 - 1/1000.

Application notes Is unsuitable for Flow Cyt (Intra), IHC-P or IP.

Target

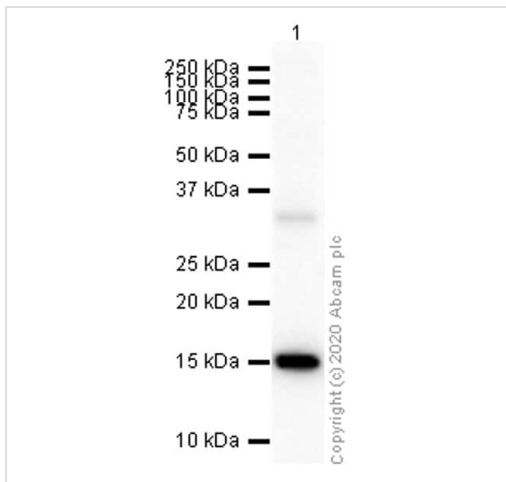
Function	Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.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



Immunocytochemistry/ Immunofluorescence analysis of PBMC (Human primary peripheral blood mononuclear cell) cells labeling IL-2 using ab92381. The cells were fixed with 4% paraformaldehyde then permeabilized with 0.1% Triton X-100. The cells were then incubated with ab92381 at 1:50 dilution followed by a further incubation with a Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 2 µg/ml (shown in green). Nuclear DNA was labelled in blue with DAPI. Cells were counterstained using **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1:200 dilution (shown in red). Secondary antibody only control: PBS instead of the primary antibody.

Immunocytochemistry/ Immunofluorescence - Anti-IL-2 antibody [EPR2780] (ab92381)



Western blot - Anti-IL-2 antibody [EPR2780]
(ab92381)

Anti-IL-2 antibody [EPR2780] (ab92381) at 1/1000 dilution +
Recombinant human IL-2 full length protein, 10 ng

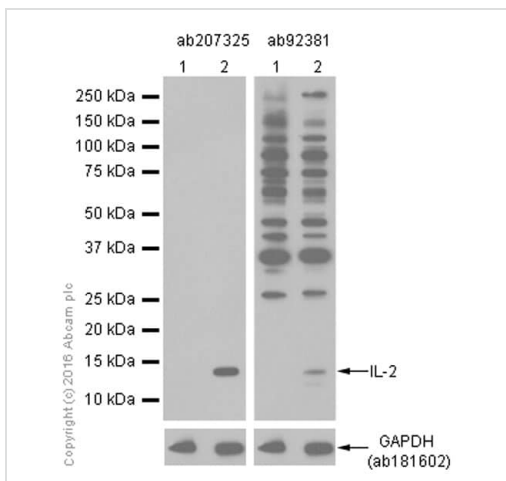
Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 18 kDa

Observed band size: 15 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.



Western blot - Anti-IL-2 antibody [EPR2780]
(ab92381)

All lanes : Anti-IL-2 antibody [EPR2780] (ab92381) at 1/5000
dilution

Lane 1 : Untreated Jurkat (Human T cell leukemia cell line from
peripheral blood) whole cell lysate

Lane 2 : Jurkat (Human T cell leukemia cell line from peripheral
blood) treated with 40nM Phorbol-12-myristate-13-acetate, 2 μM
A23187 and 300 ng/ml Brefeldin A (45 min delay) overnight whole
cell lysate

Lysates/proteins at 10 μg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at
1/100000 dilution

Predicted band size: 18 kDa

Observed band size: 14 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

[ab207325](#) is recommended to detect endogenous IL-2.

[ab181602](#) was used as GAPDH loading control.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-IL-2 antibody [EPR2780] (ab92381)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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