

Datasheet for 209-403-B95

## IL-2 Antibody Peroxidase Conjugated

### Overview

<b>Description:</b>	Anti-Human IL-2 (RABBIT) Antibody Peroxidase Conjugated - 209-403-B95
<b>Item No.:</b>	209-403-B95
<b>Size:</b>	100 µg
<b>Applications:</b>	WB
<b>Reactivity:</b>	Human
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	IL-2 is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.
<b>Synonyms:</b>	rabbit anti-IL-2 peroxidase conjugated Antibody, rabbit anti-Interleukin-2 HRP conjugated antibody, IL-2, IL2, T-cell growth factor, TCGF, Aldesleukin, Lymphokine
<b>Host Species:</b>	Rabbit
<b>Conjugate:</b>	Peroxidase (HRP)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Gene Name:</b>	IL2
<b>Reactivity:</b>	Human
<b>Immunogen Type:</b>	Recombinant Protein

<b>Immunogen:</b>	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-2 protein.
<b>Purity/Specificity:</b>	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human IL-2 in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P60568</a></li><li>• <a href="#">NCBI - NP_000577.2</a></li><li>• <a href="#">GenelD - 3558</a></li></ul>

## Application Details

<b>Tested Applications:</b>	WB
<b>Application Note:</b>	This purified antibody has been tested for use in western blotting. By western blot a band approximately 15 kDa in size corresponding to human IL-2 protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:10,000-1:50,000
<b>IHC:</b>	1:500-1:2,500
<b>WB:</b>	1:1,000-1:5,000

## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	1.0 mg/mL
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Reconstitution Volume:</b>	100 µL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

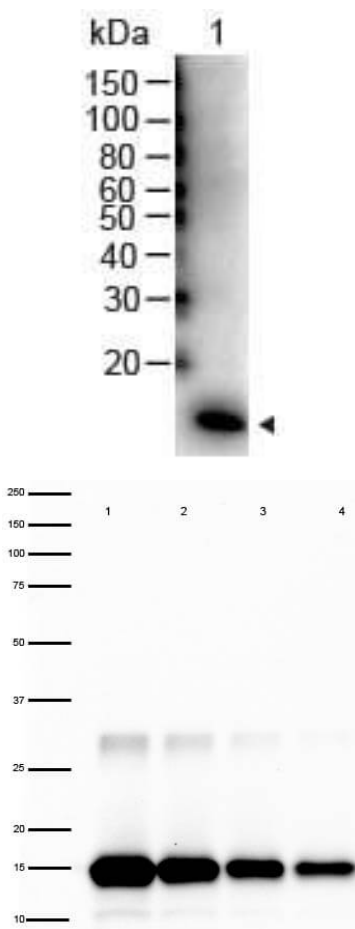
## Shipping & Handling

**Shipping Condition:** Ambient

**Storage Condition:** Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images

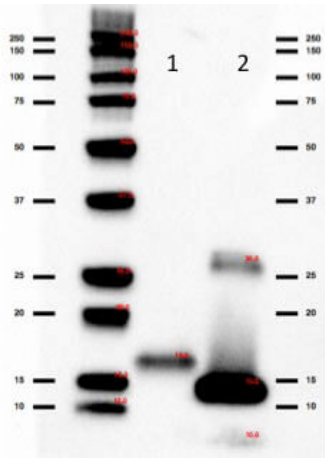


### Western Blot

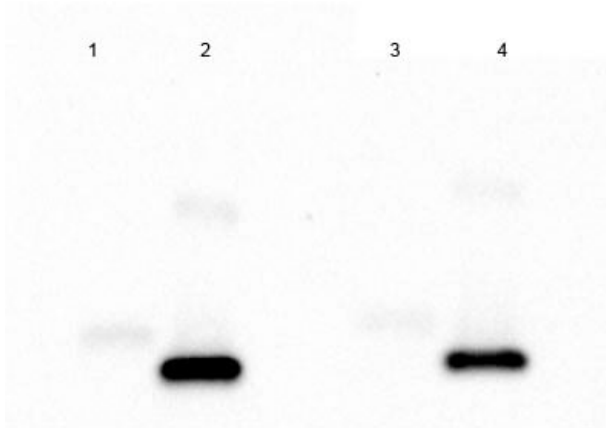
Western Blot of Rabbit anti-IL-2 Antibody Peroxidase Conjugated. Lane 1: Human IL-2 Recombinant Protein. Load: 50 ng per lane. Secondary antibody: Peroxidase Conjugated IL-2 Antibody at 1:1000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 16 kDa, 16 kDa.

### Western Blot

Western Blot of Rabbit anti-IL-2 Antibody Peroxidase Conjugated. Lane 1: 2ug Human IL-2 Recombinant Protein. Lane 2: 1ug Hu IL-2 Recombinant Protein. Lane 3: 500ng Hu IL-2 Recombinant Protein. Lane 4: 250ng Hu IL-2 Recombinant Protein. Secondary antibody: Peroxidase Conjugated IL-2 Antibody at 1:1000 for 60 min at RT. Block: TBST + 5% BLOTTO overnight. Predicted/Observed size: 16 kDa, 16 kDa. Other bands observed: 30kDa dimeric form of IL-2. Image courtesy of Prakash Arumugam, Boonshoft School of Medicine, Wright State University.


**Western Blot**

Western Blot of Rabbit anti-IL-2 Antibody Peroxidase Conjugated. Lane 1: 250ng glycosylated IL-2. Lane 2: 250ng non-glycosylated IL-2. Secondary antibody: Peroxidase Conjugated IL-2 Antibody at 1:1000 for 60 min at RT. Block: TBST + 5% BLOTTO overnight. Predicted/Observed size: 16 kDa, 16 kDa. Other bands observed: 30kDa dimeric form of IL-2. Image courtesy of Prakash Arumugam, Boonshoft School of Medicine, Wright State University.


**Western Blot**

Western Blot of Rabbit anti-IL-2 Antibody Peroxidase Conjugated. Lane 1: 250ng glycosylated IL-2. Lane 2: 250ng non-glycosylated IL-2. Secondary antibody: Peroxidase Conjugated IL-2 Antibody at 1:10,000 for 60 min at RT. Lane 3: 250ng glycosylated IL-2. Lane 4: 250ng non-glycosylated IL-2. Secondary antibody: Peroxidase Conjugated IL-2 Antibody at 1:20,000 for 60 min at RT. Block: TBST + 5% BLOTTO overnight. Predicted/Observed size: 16 kDa, 16 kDa. Other bands observed: 30kDa dimeric form of IL-2. Image courtesy of Prakash Arumugam, Boonshoft School of Medicine, Wright State University.

**Disclaimer**

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