

Datasheet for 209-403-B95**IL-2 Antibody Peroxidase Conjugated****Overview**

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

Product Details

Background:	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.
Synonyms:	rabbit anti-IL-2 peroxidase conjugated Antibody, rabbit anti-Interleukin-2 HRP conjugated antibody, IL-2, IL2, T-cell growth factor, TCGF, Aldesleukin, Lymphokine
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IL2
Reactivity:	Human
Immunogen Type:	Recombinant Protein

Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-2 protein.
Purity/Specificity:	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.
Relevant Links:	• UniProtKB - P60568 • NCBI - NP_000577.2 • GeneID - 3558

Application Details

Tested Applications:	WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:50,000
IHC:	1:500-1:2,500
WB:	1:1,000-1:5,000

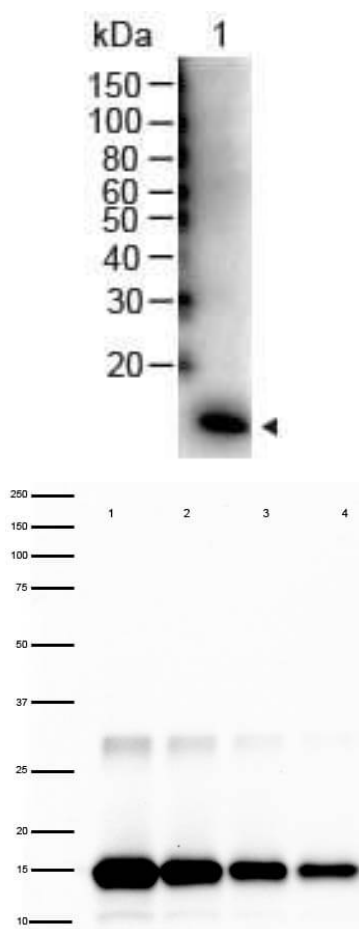
Formulation

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

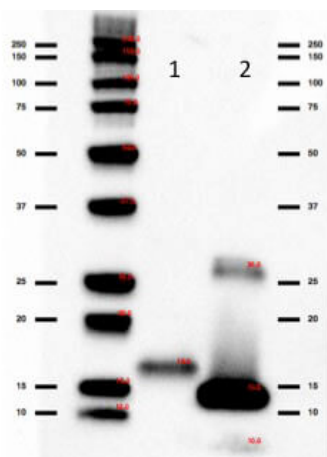


Western Blot

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.

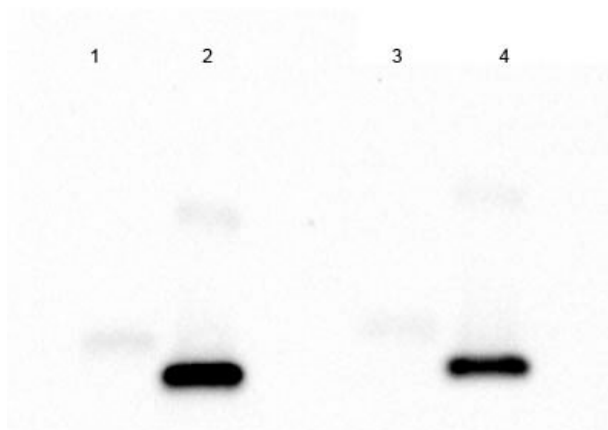
Western Blot

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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