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Images



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Overview	
Quantity:	100 μg
Target:	IL-2 (IL2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-2 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated
	immunizations with full length recombinant human IL-2 protein.
	Immunogen Type: RecombinantProtein
Isotype:	IgG
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.
Characteristics:	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

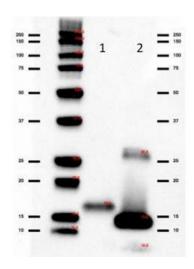
Product Details

	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.
Purification:	purified
Target Details	
Target:	IL-2 (IL2)
Alternative Name:	IL-2 (IL2 Products)
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: Interleukin-2, IL-2, IL2, T-cell growth factor, TCGF, Aldesleukin, Lymphokine
Gene ID:	3558
NCBI Accession:	NP_000577
UniProt:	P60568
Pathways:	JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of
	Immune Effector Process, Production of Molecular Mediator of Immune Response, Activated
	Cell Proliferation
Application Details	
Application Notes:	This purified antibody has been tested for use in ELISA and 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.
Comment:	Gene Name: IL2
Restrictions:	For Research Use only

Handling

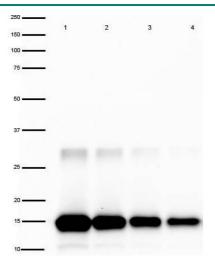
Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 μL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative:	Gentamicin sulfate
Handling Advice:	Do NOT add Sodium Azide!
Storage:	4 °C
Storage Comment:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. Expiration date is one (1) year from date of opening.
Expiry Date:	12 months

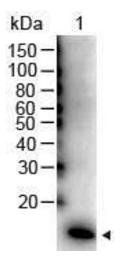
Images



Western Blotting

Image 1. 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 Blotting

Image 2. 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 Blotting

Image 3. 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: ABIN925618 for 30 min at RT Predicted/Observed
size: 16 kDa, 16 kDa