

## IL2 Ab

[References\(2\)](#) [Images\(3\)](#)

Cat.#: DF6095	Concn.: ~1mg/ml	Mol.Wt.: 18kDa
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:50-1:200 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human	
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human IL2, corresponding to a region within the internal amino acids.	
Uniprot:	P60568	
Description:	IL-2 is a T cell stimulatory cytokine best known for inducing T cell proliferation and NK cell proliferation and activation (1,2). IL-2 also promotes peripheral development of Treg cells (4, 5). Conversely, IL-2 is involved in activation induced cell death (AICD) that is observed post T cell expansion by increasing levels of Fas on CD4+ T cells . The effects of IL-2 are mediated through a trimeric receptor complex consisting of IL-2R $\alpha$ , IL-2R $\beta$ and the common gamma chain, $\gamma$ c (1,2). IL-2 R $\beta$ binds exclusively to IL-2 with low affinity and increases binding affinity of the whole receptor complex including IL-2R $\alpha$ and $\gamma$ c subunits. IL-2R $\beta$ is also used by IL-15 (1,2). The common $\gamma$ c is used by other cytokines including IL-4, IL-7, IL-9, IL-15, and IL-21 (1,2).	

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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