

39-2158: Anti-IL2 Polyclonal Antibody

Clonality :	Polyclonal
Application :	WB
Reactivity :	Rat
Gene :	IL2
Gene ID :	116562
Uniprot ID :	P17108
Format :	Lyophilized
Alternative Name :	Interleukin-2; IL-2; T-cell growth factor; TCGF; IL2; IL-2
Isotype :	Rabbit IgG
Immunogen Information :	E.coli-derived rat IL2 recombinant protein (Position: A21-Q155). Rat IL2 shares 66% and 80% amino acid (aa) sequence identity with human and mouse IL2, respectively.

Description

Interleukin-2 (IL2), formerly referred to as T-cell growth factor, is a powerfully immunoregulatory lymphokine that is produced by lectin- or antigen-activated T cells. It is produced not only by mature T lymphocytes on stimulation but also constitutively by certain T-cell lymphoma cell lines. The lymphokine interleukin-2 (IL-2) is responsible for autocrine cell cycle progression and regulation of immune responses. IL-2 expression in mature thymocytes and T cells has been found to be tightly controlled by monoallelic expression. IL-2 can act as a growth hormone for both B and T lymphocytes. This gene for interleukin 2 (IL2) is assigned to chromosome 4. IL-2 is a 15.5KDa glycoprotein, consisting of 153 amino acids in precursor form and 133 amino acids in mature form.

Product Info

Amount :	100 µg/vial
Purification :	Immunogen affinity purified.
Content :	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ . Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Storage condition :	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Application Note

Western blot : 0.1-0.5 µg/ml

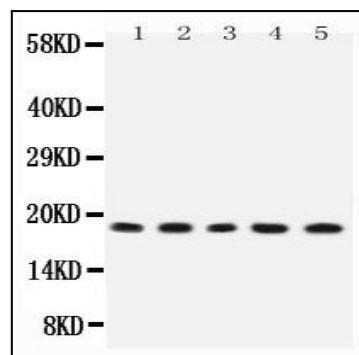


Figure 1: Anti-IL-2 antibody(39-2158). Lanes: Anti-IL-2(39-2158) at 0.5ug/ml. Lane 1: Rat Thymus Tissue Lysate at 40ug, Lane 2: Rat Liver Tissue Lysate at 40ug, Lane 3: NRK Whole Cell Lysate at 40ug, Lane 4: PC12 Whole Cell Lysate at 40ug, Lane 5: RH35 Whole Cell Lysate at 40ug. Predicted band size: 18 kDa.Observed band size: 18 kDa.