

Basic Information

Product Name	Anti-IL12B Antibody
Gene Name	IL12B
Source	Rabbit
Isotype	IgG
Species Reactivity	rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	E.coli-derived rat IL-12(p40) recombinant protein (Position: M23-S321).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	37KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Subunit beta of interleukin 12, also known as interleukin 12B, or IL12B, is a subunit of human interleukin 12. It is mapped to 5q33.3. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. This cytokine has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen. Overexpression of this gene was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of this cytokine in the pathogenesis of the disease.

Selected Validation Data

Figure 1. Western blot analysis of Anti-IL12B antibody (RP1028).
The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: Recombinant rat IL12 P40 protein, Use rabbit Anti-IL12B 1:1000, probed with a goat Anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002).

70KD -

55KD -

35KD -

25KD -

15KD -

