

32-5770: Mouse Anti Human Interleukin-12 subunit beta(Clone: PAT1D6AT.)

Clonality :	Monoclonal
Clone Name :	PAT1D6AT.
Application :	ELISA, WB
Gene :	IL12B
Gene ID :	3593
Uniprot ID :	P29460
Format :	Purified
Alternative Name :	Interleukin-12 subunit beta, IL-12 subunit p40, Cytotoxic lymphocyte maturation factor 40 kDa subunit, NK cell stimulatory factor chain 2, IL-12B, CLMF p40, NKSF2, IL12B, CLMF, CLMF2, IL-12B.
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human IL12B mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human IL12B amino acids 23-328 purified from E. coli.

Description

IL12B is a subunit of interleukin 12 which is a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. Interleukin 12 is a disulfide-linked heterodimer composed of the 40kDa cytokine receptor like subunit encoded by the IL12B gene, and a 35kDa subunit encoded by IL12A. The IL12B cytokine is expressed by activated macrophages which serve as an important inducer of Th1 cells development. The IL12B 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 the IL12B gene was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of the IL12B cytokine in the pathogenesis of the disease. The promoter polymorphism of the IL12B gene has been reported to be linked to the severity of atopic and non-atopic asthma in children.

Product Info

Amount :	20 µg
Purification :	IL12B antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

IL12B antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1000 ~ 2000. Recommended starting dilution is 1:1000.