



Mouse Anti-Human IL12B monoclonal antibody, clone NN16 (CABT-ZB789)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|--|
| Specificity | It reacts with Human IL12B |
| Target | IL12B |
| Immunogen | Recombinant Human IL12B/IL-12B Protein |
| Isotype | IgG |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | NN16 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB789 - CABT-ZB1091 This antibody will detect IL12B in antibody pair set. [ABPR-ZB369] |
| Preparation | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human IL12B / IL-12B. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| Format | Purified, Liquid |
| Concentration | Lot specific |

| | |
|---------------------|--|
| Size | 50 µL, 100 µL, 200 µL, 1 mL |
| Buffer | PBS |
| Preservative | None |
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Ship | Wet ice |

BACKGROUND

Introduction Subunit beta of interleukin 12 (also known as natural killer cell stimulatory factor 2, or cytotoxic lymphocyte maturation factor 2, p40) (IL12B) is a subunit of human interleukin 12. IL12B/IL-12B 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 40 kD cytokine receptor-like subunit encoded by this gene, and a 35 kD subunit encoded by IL12A. IL12B/IL-12B is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. This cytokine is 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. The promoter polymorphism of this gene has been reported to be associated with the severity of atopic and non-atopic asthma in children. IL12B/IL-12B associates with IL23A to form the IL-23 interleukin, a heterodimeric cytokine that functions in innate and adaptive immunity.

Keywords IL13; interleukin 13; Il-13; interleukin-13

GENE INFORMATION

Synonyms IL13; interleukin 13; Il-13; interleukin-13; T-cell activation protein P600

Entrez Gene ID [3596](#)

UniProt ID [P35225](#)