

Anti-IL-12(p40) Antibody

Catalog # ABO10787

Specification

Anti-IL-12(p40) Antibody - Product Information

ApplicationWBPrimary AccessionP29460HostRabbitReactivityHumanClonalityPolyclonalFormatLyophilizedDescriptionRabbit lgG polyclonal antibody for Interleukin-12 subunit beta(IL12B) detection. Tested with WB in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-IL-12(p40) Antibody - Additional Information

Gene ID 3593

Other Names Interleukin-12 subunit beta, IL-12B, Cytotoxic lymphocyte maturation factor 40 kDa subunit, CLMF p40, IL-12 subunit p40, NK cell stimulatory factor chain 2, NKSF2, IL12B, NKSF2

Calculated MW 37169 MW KDa

Application Details Western blot, 0.1-0.5 μg/ml, Human

Subcellular Localization Secreted.

Protein Name Interleukin-12 subunit beta(IL-12B)

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen A synthetic peptide corresponding to a sequence at the N-terminus of human IL-12(p40)(23-40aa IWELKKDVYVVELDWYPD).

Purification Immunogen affinity purified.

Cross Reactivity



No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, 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.

Sequence Similarities

Belongs to the type I cytokine receptor family. Type 3 subfamily.

Anti-IL-12(p40) Antibody - Protein Information

Name IL12B

Synonyms NKSF2

Function

Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC.

Cellular Location Secreted.

Anti-IL-12(p40) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-IL-12(p40) Antibody - Images





Anti-IL-12(p40) antibody, ABO10787, Western blottingLane 1: Recombinant Human IL-12 Protein 10ngLane 2: Recombinant Human IL-12 Protein 5ngLane 3: Recombinant Human IL-12 Protein 2.5ng

Anti-IL-12(p40) Antibody - Background

IL-12, Interleukin 12, heterodimerizes with the IL12 p35 subunit to form IL12 and with the IL23 p19 subunit to form IL23. IL12b p 40 exists as a monomer and as a homodimer. This gene encodes a subunit of Interleukin 12, a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The IL-12b gene contains 8 exons, the first and last of which are noncoding. By PCR analysis of DNA from rodent/human cell hybrids containing intact chromosomes or translocation chromosomes, the IL-12b gene is mapped to 5q31-q33. 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.