

AP20604PU-N**Polyclonal Antibody to Interleukin-12 beta / IL12B - Aff - Purified****Alternate names:**

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

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

The interleukins (ILs) are a broad family of well characterized cytokines, primarily of hematopoietic cell origin. As new cytokines are molecularly characterized, they are assigned an IL number to maintain a standard nomenclature. ILs are secreted by immune cells that regulate a wide range of immune system functions. IL-12 is secreted by macrophages and human B-lymphoblastoid cells in response to antigenic stimulation. This IL is responsible for the differentiation of naive CD4+ T cells into type 1 helper T cells that produce interferon-gamma (IFN-gamma). It also activates production of tumor necrosis factor alpha (TNFalpha) from T and natural killer (NK) cells, and it inhibits IL-4 mediated suppression of IFN-gamma. IL-12 also has anti-angiogenic activity since the production of IFN-gamma increases the production of inducible protein-10 (IP-10). IL-12 p40 represents a subunit of IL-12 that is induced by several pathogens. IL-12 p70 is a subunit of IL-12 that is controlled through both the p35 and p40 genes in a cell type-specific fashion.

Uniprot ID:

[P29460](#)

NCBI:

[NP_002178](#)

GenID:

[3593](#)

Host:

Rabbit

Format:

State: Liquid purified Ig fraction

Purification: Affinity chromatography (> 95% (by SDS-PAGE)

Buffer System: Phosphate buffered saline (PBS), pH 7.2.

Preservatives: 0.05% sodium azide

Applications:

Western blot: 1/500 - 1/1000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~ 44 kDa

Specificity:

This antibody detects endogenous levels of IL-12B protein.
(region surrounding Val277)

Species Reactivity:

Tested: Human.

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Western blot (WB) analysis of IL-12B antibody (Cat.-No.: AP20604PU-N) in extracts from K562 cells.

