

# IL12B Rabbit mAb

Catalog No.: A24262 **Recombinant**

## Basic Information

### Observed MW

45-51kDa

### Calculated MW

38kDa

### Category

Primary antibody

### Applications

WB,IHC-P,FC (intra),ELISA

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC63198

## Background

This gene encodes the beta subunit p40 of the Interleukin 12 (IL-12) family of cytokines. Members of the IL-12 family form heterodimers consisting of heavy and light subunits linked by disulfide bonds. The product of this gene, p40, is a subunit of interleukins IL-12 and IL-23.

## Recommended Dilutions

**WB** 1:2000 - 1:8000

**IHC-P** 1:200 - 1:800

**FC (intra)** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

16160

### Swiss Prot

P43432

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 23-335 of mouse IL12B(NP\_001290173.1).

### Synonyms

p40; IL-12b; IL12p40; IL-12p40; IL12B

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

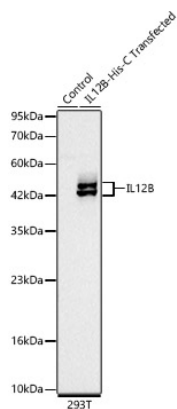
Affinity purification

### Storage

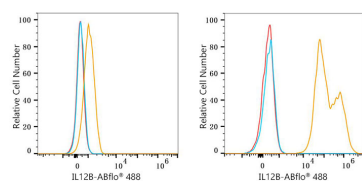
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

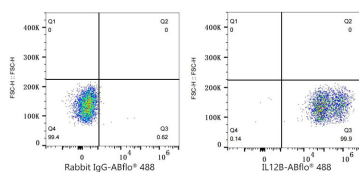
## Validation Data



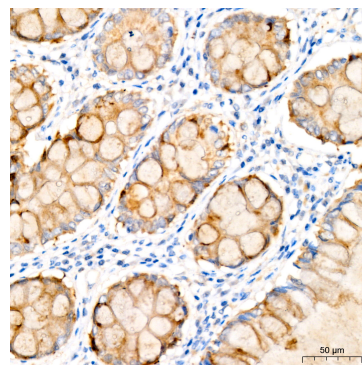
Western blot analysis of various lysates, using IL12B Rabbit mAb (A24262) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



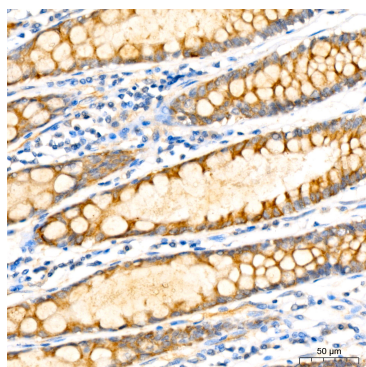
Flow cytometry:  $1 \times 10^6$  293T cells (negative control, left) and 293T (Transfection, right) cells were intracellularly-stained with IL12B Rabbit mAb (A24262, 2 µg/mL, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 2 µg/mL, blue line), followed by FITC conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



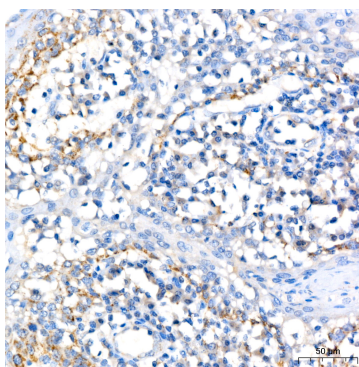
Flow cytometry:  $1 \times 10^6$  293T (Transfection) cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 2 µg/mL, left) or IL12B Rabbit mAb (A24262, 2 µg/mL, right).



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using IL12B Rabbit mAb (A24262) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon using IL12B Rabbit mAb (A24262) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using IL12B Rabbit mAb (A24262) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.