

Datasheet for ABIN3031446
anti-IL12B antibody (AA 264-290)[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	IL12B
Binding Specificity:	AA 264-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL12B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 264-290 from the human protein was used as the immunogen for this IL-12B antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	IL12B
Alternative Name:	IL-12B (IL12B Products)
Background:	IL12B is a subunit of interleukin 12, 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

Target Details

IL12A. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. 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. 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.

UniProt: [P29460](#)

Pathways: [JAK-STAT Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: Titration of the IL-12B antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50,Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

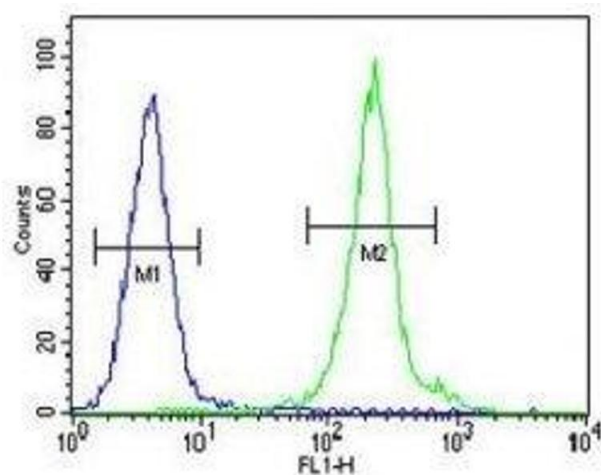
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

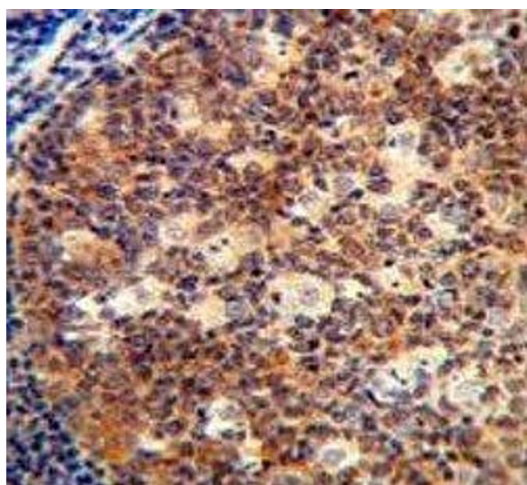
Storage: -20 °C

Storage Comment: Aliquot the IL-12B antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



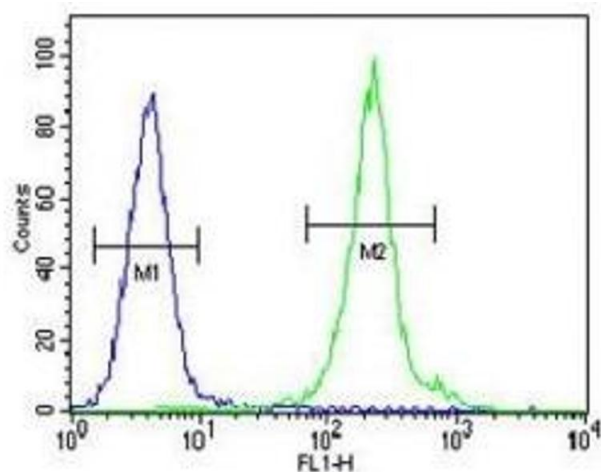
Flow Cytometry

Image 1. IL-12B antibody flow cytometric analysis of MDA-MB435 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 2. IL-12B antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue.



Flow Cytometry

Image 3. IL-12B antibody flow cytometric analysis of MDA-MB435 cells (green) compared to a [negative control](#) (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.