

Datasheet for ABIN952881
anti-IL12RB2 antibody (C-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	IL12RB2
Binding Specificity:	AA 759-788, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL12RB2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 759-788aa) of human IL12RB2.
Isotype:	Ig Fraction
Specificity:	This antibody detects human IL12RB2 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Purified through a protein A column; followed by peptide affinity purification.

Target Details

Target:	IL12RB2
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Target Details

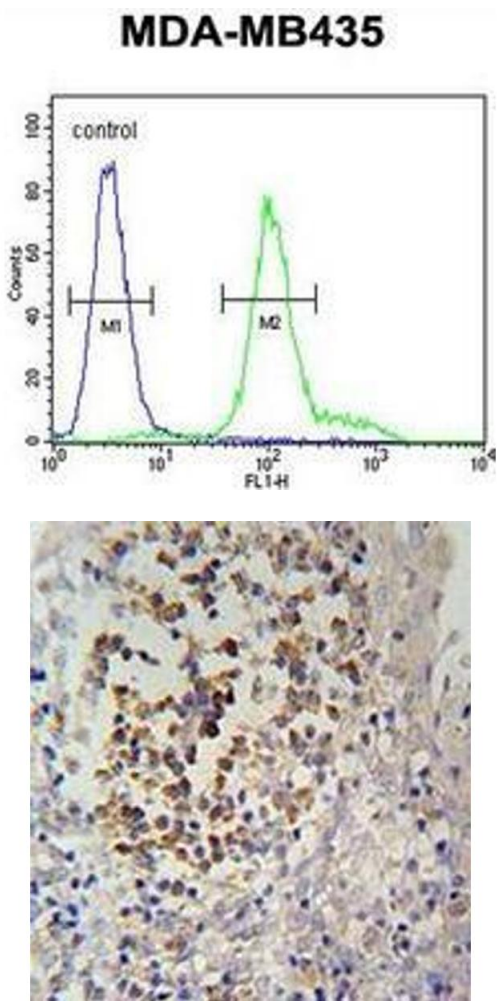
Alternative Name:	IL12RB2 (IL12RB2 Products)
Background:	The protein encoded by the IL12RB2 gene is a type I transmembrane protein identified as a subunit of the interleukin 12 receptor complex. The coexpression of this and IL12RB1 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The expression of this gene is up-regulated by interferon gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of this gene is found to be associated with a number of infectious diseases, such as Crohn's disease and leprosy, which is thought to contribute to the inflammatory response and host defense.Synonyms: IL-12 receptor beta-2, IL-12R-beta-2, Interleukin-12 receptor beta-2 chain
Gene ID:	3595
NCBI Accession:	NP_001550
Pathways:	JAK-STAT Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

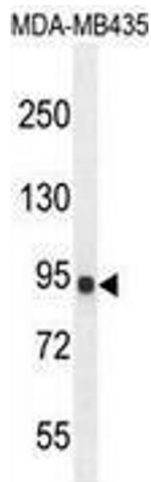


Flow Cytometry

Image 1. Flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram) using IL12RB2 Antibody (C-term), followed by FITC-conjugated goat-anti-rabbit secondary antibodies.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in human tonsils tissue (formalin-fixed, paraffin-embedded) using IL12RB2 Antibody (C-term), followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IL12RB2 antibody for IHC. Clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis in MDA-MB435 cell line lysates (35ug/lane) using IL12RB2 Antibody . This demonstrates the IL12RB2 antibody detected the IL12RB2 protein (arrow).