

## DATASHEET

# IL-12 p70 Mouse Monoclonal Antibody(20-c2)

CAT. NO. AMA03697

### KEY FEATURES

Target	IL-12 p70	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	IF/ICC, FC	Conjugation	Unconjugated
Form / Buffer	Rat IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.	Storage	at-20°C

### BACKGROUND

Heterodimerizes with IL12B to form the IL-12 cytokine or with EB13/IL27B to form the IL-35 cytokine . IL-12 is primarily produced by professional antigen-presenting cells (APCs) such as B-cells and dendritic cells (DCs) as well as macrophages and granulocytes and regulates T-cell and natural killer-cell responses, induces the production of interferon-gamma (IFN-gamma), favors the differentiation of T-helper 1 (Th1) cells and is an important link between innate resistance and adaptive immunity . Mechanistically, exerts its biological effects through a receptor composed of IL12R1 and IL12R2 subunits . Binding to the receptor results in the rapid tyrosine phosphorylation of a number of cellular substrates including the JAK family kinases TYK2 and JAK2 .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IF/ICC	1:50 - 1:200
FC	1:500 - 1:2000

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to IL-12 p70
Specificity	Recognizes human IL-12 p70
Antibody Type	Primary antibody
Immunogen	Recombinant human IL-12 (p70)
Purification	The antibody was purified by affinity chromatography.
Form/Buffer	Rat IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Alternative Names	NKSF1; Interleukin-12 subunit alpha; IL-12A; Cytotoxic lymphocyte maturation factor 35 kDa subunit; CLMF p35; IL-12 subunit p35; NK cell stimulatory factor chain 1; NKSF1; NKSF2; 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
Gene Symbol	IL12A; IL12B
Entrez Gene	3592; 3593(Human)
SwissProt	P29459; P29460(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**| STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**| NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.