

Product datasheet for **AM32704AF-N**

Il12a Rat Monoclonal Antibody [Clone ID: C17.8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	C17.8
Applications:	ELISA, FC, IF, IP, Neutralize, WB
Recommended Dilution:	<i>In vivo/in vitro</i> Neutralization. ELISA. Additional Reported Applications (for relevant formats of this clone) include: Western blotting (Ref.3), Immunoprecipitation (Ref.3), and intracellular immunofluorescent staining and Flow Cytometric analysis.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognizes Mouse Interleukin-12. Other species not tested.
Formulation:	PBS, pH 7.4 State: Azide Free State: Liquid (sterile) purified IgG fraction Preservative: None Label: None
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	24 kDa (Predicted)
Gene Name:	interleukin 12a
Database Link:	Entrez Gene 16159 Mouse P43431



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Background:

Interleukin 12 (IL-12) is a heterodimeric 70 kD (p70) cytokine comprising two covalently linked glycosylated chains, IL-12a 35 kD (p35) and IL-12b 40 kD (p40). IL-12 is produced by monocytes, macrophages and dendritic cells in response to infection or on interaction with activated T cells. IL-12 induces IFN- γ production, proliferation and cytotoxicity in activated natural killer cells and T cells. IL-12 plays a key role in the development of Th1 responses leading to IFN- γ and TNF production, which in turn promote T cell responses and macrophage activation. The IL-12a (p35) chain is shared by IL-35, which is a heterodimer of the IL-12a and IL-27b chains. IL-35 is secreted by regulatory T cells and, in contrast to IL-12, suppresses the inflammatory responses of immune cells.

Synonyms:

IL-12A, IL-12 subunit p35, NKSF1, CLMF p35