

Product datasheet for **AM32423AF-N**

IL12A Mouse Monoclonal Antibody [Clone ID: B-P35]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B-P35
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	EBI3 recombinant protein and IL-35/Fc recombinant protein. Myeloma X63/AG.8653 x Balb/c node cells.
Specificity:	Recognises both natural and recombinant protein (no cross reaction with IL-12 and IL-27)
Formulation:	PBS without carriers and preservatives State: Azide Free State: Liquid purified (0.2 µm sterile filtered) IgG fraction
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 12A
Database Link:	Entrez Gene 3592 Human P29459



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Background:

IL-35 or Interleukin 35 is a cytokine belonging to the IL12 family, that is produced by regulatory T cells. It is a dimeric protein composed of IL-12-alpha and IL-27-beta chains. Members of this class of cytokines are important in influencing T helper cell differentiation and suppressing inflammatory response. IL-35 is known to play an essential role in immune regulation of the CD4⁺CD25⁺ regulatory T (Treg) cells, from which IL-35 is also specifically produced. IL-35 is able to expand CD4⁺CD25⁺ Treg cells whereas it can inhibit proliferation of CD4⁺CD25⁻ effector T (Teff) cells and development of proinflammatory Th17 cells, suppressing inflammatory responses.

Synonyms:

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