

Product datasheet for **AM08178PU-N**

IL5 Rat Monoclonal Antibody [Clone ID: JES1-5A10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	JES1-5A10
Applications:	ELISA
Recommended Dilution:	ELISA: Useful as a Detection/Capture antibody in a Sandwich ELISA for quantifying human IL-5 protein levels. (Ref.1-5)
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	COS-expressed recombinant human IL-5.
Specificity:	This antibody is specific to Human Interleukin-5/IL-5. (Ref.1-4)
Formulation:	100 mM Borate buffered saline, pH 8.2 without preservatives or amine-containing buffer salts. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	interleukin 5
Database Link:	Entrez Gene 3567 Human P05113



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Background:

Human Interleukin 5 (IL5) is a cytokine produced primarily by activated T lymphocytes. It exists as an antiparallel disulfide-linked homodimeric glycoprotein with 115 amino-acid residues in each chain. Known also as EDG (eosinophil differentiating factor), functions predominantly as an eosinophilopoietic factor. Analysis of its crystal structure reveals a novel two-domain structure, with each domain showing significant homology to the cytokine fold in GM-CSF, M-CSF, IL2, IL4 and growth hormone. Human and Mouse IL5 have 70% amino acid sequence homology.

Synonyms:

IL-5, B-cell differentiation factor I, Eosinophil differentiation factor, T-cell replacing factor, TRF