



## Human IL5 peptide (DAG314)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Human Interleukin-5 is a dimeric, non-glycosylated polypeptide chain containing 132 amino acids and having a molecular weight of 26,522.84 Da. The sequence of the first five N-terminal amino acids was determined to be Met-Ile-Pro-Thr-Glu. Contains less than
<b>Antigen Description</b>	Interleukin 5 or IL-5 is an interleukin produced by T helper-2 cells and mast cells. Its functions are to stimulate B cell growth and increase immunoglobulin secretion. It is also a key mediator in eosinophil activation. IL-5 is a 115-amino acid (in human, 133 in the mouse) -long TH2 cytokine that is part of the hematopoietic family. Unlike other members of this cytokine family (namely IL-3 and GM-CSF), this glycoprotein in its active form is a homodimer. The IL-5 gene is located on chromosome 11 (in the mouse, chromosome 5 in humans) in close proximity to the genes encoding IL-3, IL-4, and granulocyte-macrophage colony-stimulating factor (GM-CSF), which are often co-expressed in TH2 cells.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	The ED <sub>50</sub> as determined by dose-dependent stimulation of the proliferation of TF-1 cells was found to be less than 0.15 ng/ml, corresponding to a specific activity of 6 x 10 <sup>6</sup> IU/mg. Each laboratory should determine an optimum working titer for use in its particular
<b>Format</b>	Purified, Lyophilized. Reconstitute using sterile deionized water to a concentration ≥ 100 µg/ml. Further dilutions can be made in other aqueous buffers.
<b>Concentration</b>	1 mg/ml (OD <sub>280nm</sub> , E <sub>0.1%</sub> = 0.625) (prior to lyophilization)
<b>Buffer</b>	Not applicable
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

# BACKGROUND

Introduction	This antibody is a humanized monoclonal antibody that recognizes interleukin-5 (IL-5).
Keywords	IL5; interleukin 5 (colony-stimulating factor, eosinophil); interleukin-5; B cell differentiation factor I; EDF; eosinophil differentiation factor; IL 5; interleukin 5; T cell replacing factor; TRF; T-cell replacing factor; B-cell differentiation factor I

# GENE INFORMATION

Entrez Gene ID	<a href="#">3567</a>
UniProt ID	<a href="#">P05113</a>