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# 32-6422: IL3 Mouse, sf9

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| **Application :** | Functional Assay |
| **Alternative Name :** | Interleukin-3, Interleukin-3, sf9, IL3 sf9, L-3, Hematopoietic growth factor, Mast cell growth factor, MCGF, Multipotential colony-stimulating factor, P-cell-stimulating factor, Il3, Csfmu, Il-3, BPA, Csfmu, HCGF, Il-3, MCGF, PSF. |

## Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Interleukin-3 is a pleiotropic cytokine produced primarily by activated T cells. IL-3 is thought to function via specific cell surface receptors to stimulate the proliferation, differentiation and survival of haematopoietic cell lines. IL-3 has also been shown to affect the functional activity of a variety of other cell types including mast cells, eosinophils, megakaryocytes and basophils.
IL3 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 148 amino acids (27-166 a.a.) and having a molecular mass of 16.7kDa (Migrates at 18-28kDa on SDS-PAGE under reducing conditions).IL3 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 1 µg / 5 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | IL3 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | ASISGRDTHR LTRTLNCSSI VKEIIGKLPE PELKTDDEGP SLRNKSFRRV NLSKFVESQG EVDPEDRYVI KSNLQKLNCC LPTSANDSAL PGVFIRDLDD FRKKLRFYMV HLNDLETVLT SRPPQPASGS VSPNRGTVEC LEHHHHHH. |

## Application Note

The ED50 is Measured in a cell proliferation assay using TF-1 human erythroleukemic and is <= 0.1 ng/ml.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***