

IL-5, murine recombinant protein

Interleukin-5, IL-5, B-cell growth factor II, BCGF-II, Cytotoxic T-lymphocyte inducer, Eosinophil di
Catalog # PBV10124r

Specification

IL-5, murine recombinant protein - Product info

Primary Accession [P04401](#)
Calculated MW **26.2 kDa KDa**

IL-5, murine recombinant protein - Additional Info

Gene ID **16191**
Gene Symbol **IL5**

Other Names

Interleukin-5, IL-5, B-cell growth factor II, BCGF-II, Cytotoxic T-lymphocyte inducer, Eosinophil differentiation factor, T-cell replacing factor, TRF, Interleukin 5, IL-5, IL 5, IL-5,

Gene Source **Mouse**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥97%**
Assay2&Purity2 **HPLC; ≥97%**
Recombinant **Yes**
Results **1.7ng/ml.**
Target/Specificity
IL-5

Application Notes

It is recommended to reconstitute the lyophilized product with sterile H₂O at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

Format

Lyophilized protein

Storage

-20°C; Lyophilized from 20 mM Sodium phosphate buffer, pH 7.5

IL-5, murine recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

IL-5, murine recombinant protein - Images

IL-5, murine recombinant protein - Background

Mouse Interleukin-5 (mIL-5) is a glycoprotein also known as EDF and TRF. It is involved in B-cell growth and eosinophil activation. IL-5 has been shown to be expressed in Th2, mast cells and eosinophils and is regulated by GATA-3, in addition to other transcription factors. IL-5 signals its biological effect through interaction with the IL-5 receptor (IL-5R). Recombinant mIL-5 is produced in E.Coli, comprised of two 113 amino acid chains forming a disulfide-linked homodimer with a molecular weight of 26.2 kDa.

IL-5, murine recombinant protein - References

Campbell H.D.,et al.Eur. J. Biochem. 174:345-352(1988).
Kinashi T.,et al.Nature 324:70-73(1986).
Mizuta T.R.,et al.Growth Factors 1:51-57(1988).
Takahashi T.,et al.Mol. Immunol. 27:911-920(1990).