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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 H_2O 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 Cytomety

- 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).