



Recombinant Dog Interleukin-5 (IL5)

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| Product Code | CSB-BP842539DO |
| Abbreviation | IL5 |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q95J76 |
| Product Type | Recombinant Protein |
| Immunogen Species | Canis lupus familiaris (Dog) (Canis familiaris) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | VENPMNRLV AETLTLSTH RTWLIGDGNL MIPTPENKNH QLCIKEVFQG IDTLKNQTAH GEAVDKLFQN LSLIKEHIER QKKRCAGERW RVTKFLDYLQ VFLGVINTEW TPES |
| Source | Baculovirus |
| Target Names | IL5 |
| Protein Names | Recommended name: Interleukin-5 Short name= IL-5 Alternative name(s): Eosinophil differentiation factor T-cell replacing factor Short name= TRF |
| Expression Region | 22-134 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | This protein is a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. This cytokine is a main regulator of eosinopoiesis, eosinophil maturation and activation. The elevated production of this cytokine is reported to be related to asthma or hypereosinophilic syndromes. The receptor of this cytokine is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene, together with those for interleukin 4 (IL4), interleukin 13 (IL13), and CSF2, form a cytokine gene cluster on chromosome 5. This cytokine, IL4, and IL13 are found to be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, |



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