

IL-5 active protein

Recombinant canine IL-5 protein

CATALOG # AAA48383	HOST Baculovirus	APPLICATIONS SDS-Page
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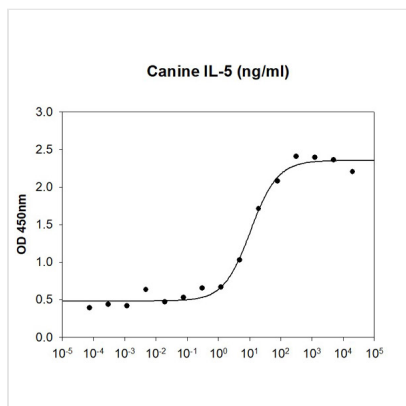
PRODUCT SYNONYMS

IL-5; Recombinant canine IL-5 protein; Interleukin-5; EDF; TRF; Eosinophil differentiation factor; T-cell replacing factor; IL-5 active protein

PRODUCT SPECIFICATIONS

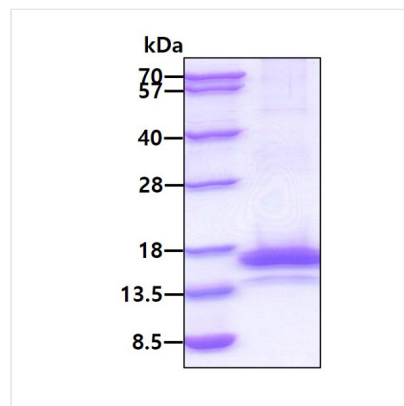
Host	Baculovirus
Purity/Purification	>90% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.25mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	22-134aa
Sequence	VENPMNRLVA ETLTLLSTHR TWLIGDGNLM IPTPENKNHQ LCIKEVFQGI DTLKNQTAHG EAVDKLFQNL SLIKEHIERQ KKRCAGERWR VTKFLDYLVQ FLGVINTEWT PES
Applicable Applications for IL-5 active protein	Bioactivity, SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Canine
Tag	His-Tag
Predicted N-term	Val 22
Bioactivity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 range <= 15ng/ml.
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity

Canine IL-5 in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 range



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for IL-5 active protein	IL-5, also known as interleukin-5, is a member of the hematopoietin receptor superfamily and is comprised of a cytokine-specific alpha chain and the common beta chain that is shared among these cytokines for signaling. Through binding to the IL-5 receptor, IL-5 stimulates B cell growth and increases immunoglobulin secretion. It related hematopoietic cytokines that are important for allergic inflammation. It is a lineage-specific cytokine for eosinophilpoiesis and plays an important part in diseases associated with increased eosinophils, such as asthma. Recombinant canine IL-5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques
Product Categories/Family for IL-5 active protein	Immunology ; Cancer ; Proteins
References	Martinez-Moczygemba M., et al. (2003) J Allergy Clin Immunol. 112:653-665. Milburn MV., et al. (1993) Nature. 363:172-176.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q95J76
Molecular Weight	13.9kDa (119aa)
UniProt Protein Name	Interleukin-5
UniProt Gene Name	IL5
UniProt Synonym Gene Names	IL-5; TRF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/il-5/48383>