

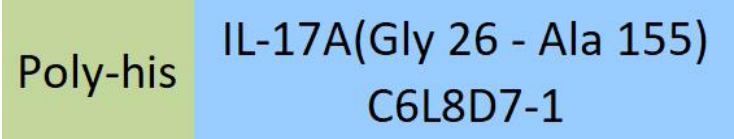
Synonym

IL-17A,Interleukin-17A,CTLA-8,IL-17

Source

Canine IL-17A, His Tag(ILA-C52H7) is expressed from human 293 cells (HEK293). It contains AA Gly 26 - Ala 155 (Accession # [C6L8D7-1](#)).  
Predicted N-terminus: Gly 26

Molecular Characterization



This protein carries a polyhistidine tag at the N-terminus.  
The protein has a calculated MW of 17.0 kDa. The protein migrates as 15 kDa and 18-22 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

Storage

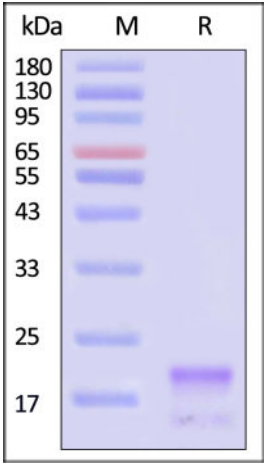
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

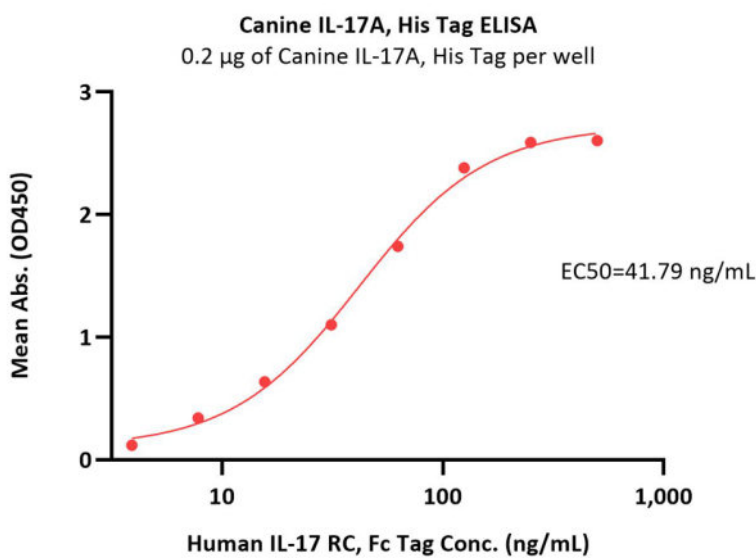
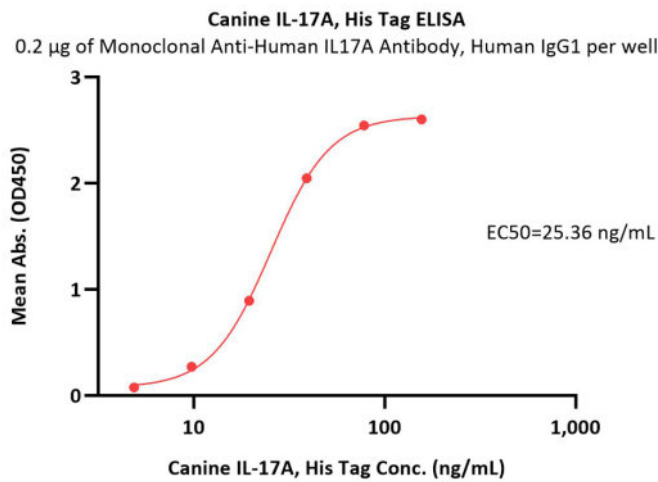
SDS-PAGE



Canine IL-17A, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

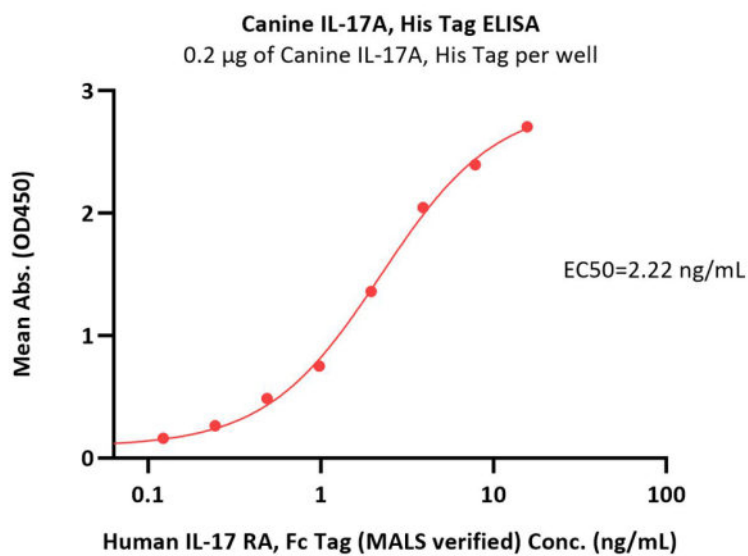
Bioactivity-ELISA





Immobilized Monoclonal Anti-Human IL17A Antibody, Human IgG1 at 2 µg/mL (100 µL/well) can bind Canine IL-17A, His Tag (Cat. No. ILA-C52H7) with a linear range of 5-39 ng/mL (QC tested).

Immobilized Canine IL-17A, His Tag (Cat. No. ILA-C52H7) at 2 µg/mL (100 µL/well) can bind Human IL-17 RC, Fc Tag with a linear range of 4-63 ng/mL (Routinely tested).



Immobilized Canine IL-17A, His Tag (Cat. No. ILA-C52H7) at 2 µg/mL (100 µL/well) can bind Human IL-17 RA, Fc Tag (MALS verified) with a linear range of 0.1-4 ng/mL (Routinely tested).

Background

Interleukin-17A (IL17A) is also known as cytotoxic T-lymphocyte-associated antigen 8 (CTLA8), which is a proinflammatory cytokine produced by activated T cells. IL17A can regulate the activities of NF-kappaB and mitogen-activated protein kinases. Also, IL17A can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). Furthermore, IL17A has been found both in glycosylated and nonglycosylated forms. High levels of IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.

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