ARG70408
Pig IL17 / IL17A recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Pig IL17 / IL17A recombinant protein
Tested Reactivity	Pig
Tested Application	SDS-PAGE
Target Name	IL17 / IL17A
Species	Pig
A.A. Sequence	Gly26 - Ser155
Expression System	E. coli
Alternate Names	IL17A; Interleukin 17A; IL-17A; IL-17; CTLA8; IL17; Interleukin 17 (Cytotoxic T-Lymphocyte-Associated Serine Esterase 8); Cytotoxic T-Lymphocyte-Associated Protein 8; Cytotoxic T-Lymphocyte-Associated Antigen 8; Interleukin-17A; CTLA-8; Interleukin-17; ILA17

Properties

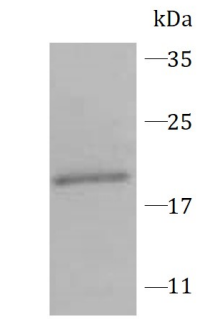
Form	Powder
Purification Note	Endotoxin level is 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL17A
Gene Full Name	Interleukin 17A
Background	This gene is a member of the IL-17 receptor family which includes five members (IL-17RA-E) and the encoded protein is a proinflammatory cytokine produced by activated T cells. IL-17A-mediated downstream pathways induce the production of inflammatory molecules, chemokines, antimicrobial peptides, and remodeling proteins. The encoded protein elicits crucial impacts on host defense, cell trafficking, immune modulation, and tissue repair, with a key role in the induction of innate immune defenses. This cytokine stimulates non-hematopoietic cells and promotes chemokine production thereby attracting myeloid cells to inflammatory sites. This cytokine also regulates the activities of NF-kappaB and mitogen-activated protein kinases and can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). IL-17A plays a pivotal role in various infectious diseases, inflammatory and autoimmune disorders, and cancer. High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The lung damage induced by the severe acute respiratory

	syndrome coronavirus 2 (SARS-CoV-2) is to a large extent, a result of the inflammatory response promoted by cytokines such as IL17A.
Function	Effector cytokine of innate and adaptive immune system involved in antimicrobial host defense and maintenance of tissue integrity.
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Secreted

Images



Pig IL17 / IL17A recombinant protein

ARG70408 Pig IL17 / IL17A recombinant protein (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70408 Pig IL17 / IL17A recombinant protein (His-tagged, C-ter)