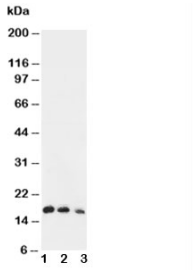
IL7 Antibody (R30115)

Catalog No.	Formulation	Size
R30115	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 0.025% sodium azide
UniProt	P13232
Applications	Western blot: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (human protein tested)
Limitations	This IL7 antibody is available for research use only.



Western blot testing of IL7 antibody and Lane 1: Recombinant human IL-7 protein 10ng; 2: 5ng; 3: 2.5ng

Description

IL-7, Interleukin 7, is a protein that in humans is encoded by the IL-7 gene. IL-7 a hematopoietic growth factor secreted by stromal cells in the red marrow and thymus. It is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells but is not produced by lymphocytes. By the combination of approaches, IL-7 is located on 8q12-q13. IL-7 is critical for early T-cell development and homeostasis of naive and memory CD8-positive T cells. It signals through the IL-7 receptor complex, which consists of the IL7R-alpha chain and the common IL2R-gamma chain is critical for early T-cell development and homeostasis of naive and memory CD8 -positive T cells. It signals through the IL-7 receptor

complex, which consists of the IL7R-alpha chain and the common IL2R-gamma chain.

Explore our protein microarray-validated IL-7 Antibody IL7/4012 for investigating interleukin 7 expression, lymphocyte development, cytokine signaling, and immune homeostasis.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL7 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human IL-7 partial recombinant protein (AA 26-177) was used as the immunogen for this IL7 antibody.

Storage

After reconstitution, the IL7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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