

IL7R monoclonal antibody, clone ANC8F2

Catalog # MAB6938

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant IL7R.
Immunogen	Recombinant protein corresponding to human IL7R.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

Applications

- Flow Cytometry

Gene Info — IL7R

Entrez GeneID	3575
Gene Name	IL7R
Gene Alias	CD127, CDW127, IL-7R-alpha, IL7RA, ILRA
Gene Description	interleukin 7 receptor

Omim ID [146661 600802](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a receptor for interleukine 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukine 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in the V(D)J recombination during lymphocyte development. This protein is also found to control the accessibility of the TCR gamma locus by STAT5 and histone acetylation. Knockout studies in mice suggested that blocking apoptosis is an essential function of this protein during differentiation and activation of T lymphocytes. The functional defects in this protein may be associated with the pathogenesis of the severe combined immunodeficiency (SCID). [provided by RefSeq]

Other Designations CD127 antigen|interleukin 7 receptor alpha chain

Publication Reference

- [Comments on the article "Persistent confusion of total entropy and chemical system entropy in chemical thermodynamics" \[\(1996\) Proc. Natl. Acad. Sci. USA 93, 7452-7453\].](#)
 Ross J.
 PNAS 1996 Dec; 93(25):14314.
- [Interleukin-2 receptor gamma chain: a functional component of the interleukin-7 receptor.](#)
 Noguchi M, Nakamura Y, Russell SM, Ziegler SF, Tsang M, Cao X, Leonard WJ.
 Science 1993 Dec; 262(5141):1877.
 Application: IP, Monkey, COS-7 cells
- [Cloning of the human and murine interleukin-7 receptors: demonstration of a soluble form and homology to a new receptor superfamily.](#)
 Goodwin RG, Friend D, Ziegler SF, Jerzy R, Falk BA, Gimpel S, Cosman D, Dower SK, March CJ, Namen AE, et al..
 Cell 1990 Mar; 60(6):941.

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)
- [Primary immunodeficiency](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Helicobacter Infections](#)
- [HIV Infections](#)
- [Hyperparathyroidism](#)
- [Kaposi Varicelliform Eruption](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphomatoid Granulomatosis](#)
- [Lymphopenia](#)
- [Multiple Sclerosis](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Hypersensitivity](#)
- [Sarcoidosis](#)
- [Severe combined immunodeficiency](#)

- [Stomach Neoplasms](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)