

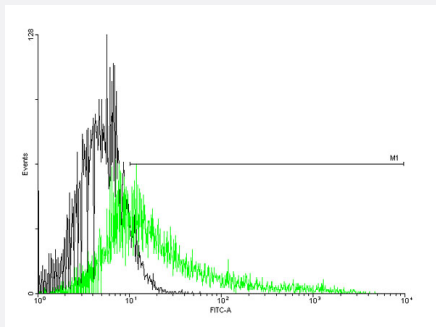
MaxPab®

IL7R purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003575-B01P

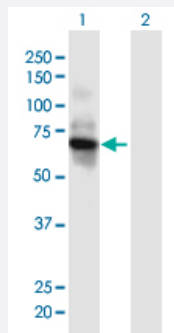
Size 50 ug

Applications



Flow Cytometry

FACS analysis of negative control 293 cells (Black) and IL7R expressing 293 cells (Green) using IL7R purified MaxPab mouse polyclonal antibody.



Western Blot (Transfected lysate)

Western Blot analysis of IL7R expression in transfected 293T cell line ([H00003575-T01](#)) by IL7R MaxPab polyclonal antibody.

Lane 1: IL7R transfected lysate(50.49 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human IL7R protein.

Immunogen

IL7R (AAH67539.1, 1 a.a. ~ 459 a.a) full-length human protein.

Sequence

MTILGTTFGMVFSLLQVVSGESGYAQNGDLEDAELDDYTFSCYSQLEVNGSQHSLTCAFEDPDV
NTTNLEFEICGALVEVKCLNFRKLQEYFIETKKFLLIGKSNICVKVGEKSLTCKKIDLTITVKPEAPFD
LSVIYREGANDFVVTFNTSHLQKKYVKVLMHDVAYRQEKDENKWITHVNLSSSTKLTLQRKLQPAA
MYEIKVRSIPDHYFKGFVSEWSPSYFRTPEINNSSGEMDPILLTISLSFFSVALLVILACVLWKKRI
KPIVWPSLPDHHKKTLEHLCKKPRKNLNVSFNPESFLDCQIHRVDDIQARDEVEGFLQDTFPQQLE
ESEKQRLGGDVQSPNCPSEDVVITPESFGRDSSLTCLAGNVSACDAPILSSSGSLDCRESGKNG
PHVYQDLLLSLGTNSTLPPPFSLQSGILTLNPVAQQQPILTSLGSNQEEAYVTMSSFYQNNQ

Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — IL7R

Entrez GeneID	3575
GeneBank Accession#	BC067539
Protein Accession#	AAH67539.1
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

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](#)