

For Research Use Only

# CD127/IL-7R Polyclonal antibody

Catalog Number: 17626-1-AP

2 Publications



## Basic Information

Catalog Number:

17626-1-AP

Size:

150ul, Concentration: 900 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11844

GenBank Accession Number:

BC067537

GeneID (NCBI):

3575

Full Name:

interleukin 7 receptor

Calculated MW:

459 aa, 52 kDa

Observed MW:

56-58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3600

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

## Applications

Tested Applications:

FC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : mouse thymus tissue, K-562 cells

IP : K-562 cells,

## Background Information

CD127, also known as IL-7R subunit alpha (IL-7RA), is a type I membrane glycoprotein expressed on thymocytes, B cell precursors, most T cells, and some lymphoid and myeloid cells. IL-7R is a heterodimer composed of CD127 and the common-γ chain receptor (CD132). IL-7R plays critical roles in lymphocyte development and homeostasis. CD127 can also act as a receptor for thymic stromal lymphopoietin (TSLP).

## Notable Publications

| Author               | Pubmed ID | Journal                        | Application |
|----------------------|-----------|--------------------------------|-------------|
| Xinxin Liu           | 32319620  | Mol Med Rep                    | WB          |
| Nikolina Giotopoulou | 38055067  | J Mammary Gland Biol Neoplasia | WB          |

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

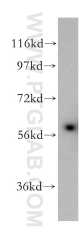
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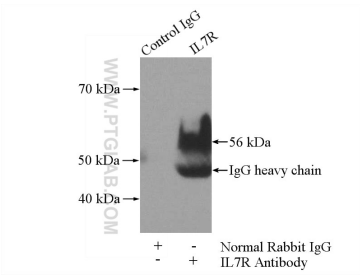
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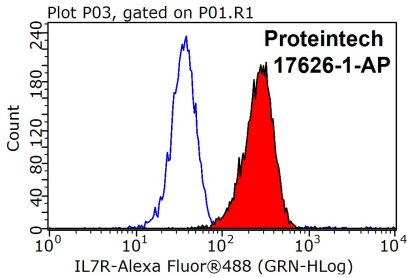
Selected Validation Data



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 17626-1-AP (CD127/IL7R antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP Result of anti-CD127/IL7R (IP:17626-1-AP, 4ug; Detection:17626-1-AP 1:1000) with K-562 cells lysate 1200ug.



1X10^6 K-562 cells were stained with 0.2ug CD127/IL7R antibody (17626-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.