For Research Use Only

CD122/IL-2RB Polyclonal antibody

Catalog Number:13602-1-AP 3 Publications

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Basic Information

Catalog Number:
13602-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3929

GenBank Accession Number:
BC025691

GeneID (NCBI):
3560

ENSEMBL Gene ID:
ENSG00000100385

UNIPROT ID:
P14784

Full Name:
interleukin 2 receptor, beta

Calculated MW:
551 aa, 61 kDa

Observed MW:
70-85 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : NK-92 cells,

IHC : mouse spleen tissue,

Background Information

The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. The beta subunit (IL2RB, also known as CD122 and p75) is involved in receptor mediated endocytosis and transduces the mitogenic signals of nterleukin 2.

Notable Publications

Author	Pubmed ID	Journal	Application
Tianxing Lv	39372012	ACS Omega	WB
Yujia Wei	38307771	J Dermatol Sci	WB
Anmar Abu-Romman	37516317	Ocul Surf	IF

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

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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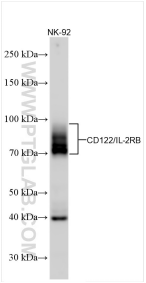
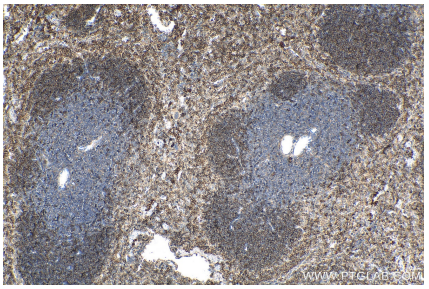
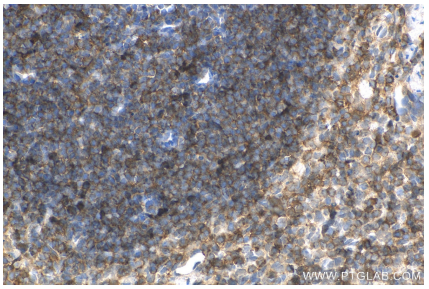
Selected Validation Data



NK-92 cells were subjected to SDS PAGE followed by western blot with 13602-1-AP (CD122/IL-2RB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 13602-1-AP (CD122/IL-2RB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 13602-1-AP (CD122/IL-2RB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).