

IL-2 Receptor alpha Rabbit mAb

Catalog No.: A29351 **Recombinant**

Basic Information

Observed MW

40-80 kDa

Calculated MW

31 kDa

Category

Primary antibody

Applications

WB,IP,IF-F,IHC-P,ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC4034

Background

Enables interleukin-2 binding activity and interleukin-2 receptor activity. Acts upstream of or within several processes, including Notch signaling pathway; activation-induced cell death of T cells; and regulation of T cell proliferation. Located in external side of plasma membrane. Is expressed in bone marrow and yolk sac. Used to study Sjogren's syndrome and inflammatory bowel disease. Human ortholog(s) of this gene implicated in immunodeficiency 41; lymphopenia; multiple sclerosis; type 1 diabetes mellitus; and type 1 diabetes mellitus 10. Orthologous to human IL2RA (interleukin 2 receptor subunit alpha).

Recommended Dilutions

WB 1:25000 - 1:200000**IP** 0.2 µg - 2 µg antibody for
200 µg - 400 µg extracts of
whole cells**IF-F** 1:200 - 1:1000**IHC-P** 1:1000 - 1:5000**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

16184

Swiss Prot

P01590

Immunogen

This information is considered to be commercially sensitive.

Synonyms

CD25; IL2r; Ly-43

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

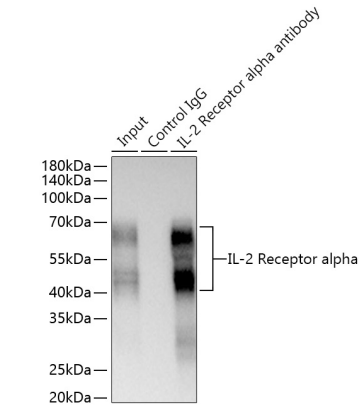
Contact

☎ | 400-999-6126

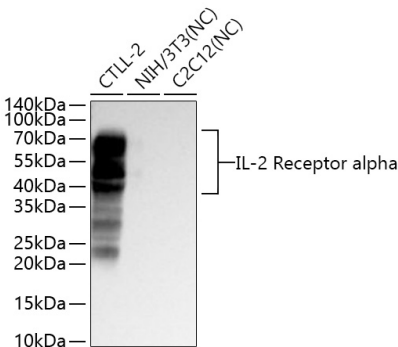
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

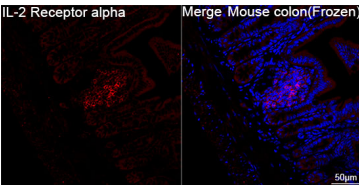
Validation Data



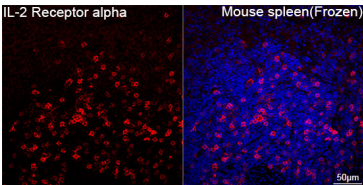
Immunoprecipitation of IL-2 Receptor alpha from 400 µg extracts of CTLL-2 cells was performed using 0.4 µg of IL-2 Receptor alpha Rabbit mAb (A29351). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using IL-2 Receptor alpha Rabbit mAb (A29351) at a dilution of 1:5000.



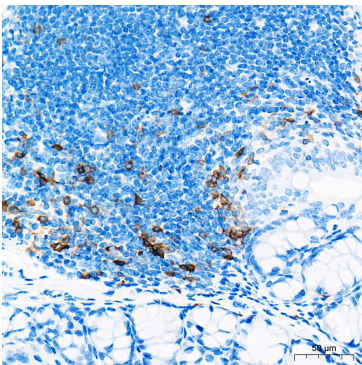
Western blot analysis of various lysates using IL-2 Receptor alpha Rabbit mAb (A29351) at 1:25000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): NIH/3T3, C2C12.
Exposure time: 20 s.



Confocal imaging of frozen sections of Mouse colon tissue using IL-2 Receptor alpha Rabbit mAb (A29351, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

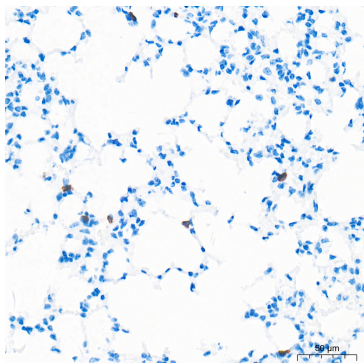


Confocal imaging of frozen sections of Mouse spleen tissue using IL-2 Receptor alpha Rabbit mAb (A29351, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

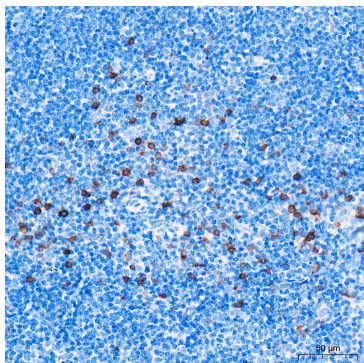


Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using IL-2 Receptor alpha Rabbit mAb (A29351) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

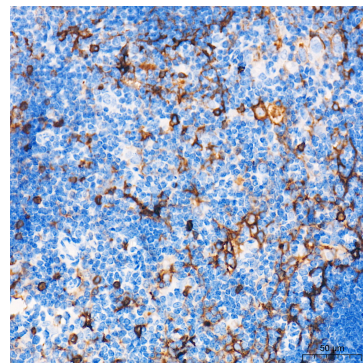
Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using IL-2 Receptor alpha Rabbit mAb (A29351) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using IL-2 Receptor alpha Rabbit mAb (A29351) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse thymus tissue using IL-2 Receptor alpha Rabbit mAb (A29351) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.