

A2984

Leader in Biomolecular Solutions for Life Science



CD25 Rabbit pAb

Catalog No.: A2984

1 Publications

Basic Information

Observed MW

60kDa

Calculated MW

31kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,FC,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency. Patients with severe Coronavirus Disease 2019 (COVID-19), the disease caused by the novel severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), have significantly elevated levels of IL2R in their plasma. Similarly, serum IL-2R levels are found to be elevated in patients with different types of carcinomas. Certain IL2RA and IL2RB gene polymorphisms have been associated with lung cancer risk.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
FC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

www.abclonal.com

Immunogen Information

Gene ID

3559

Swiss Prot

P01589

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

p55; CD25; IL2R; IMD41; TCGFR; IDDM10

Product Information

Source

Rabbit

Isotype

IgG

Purification

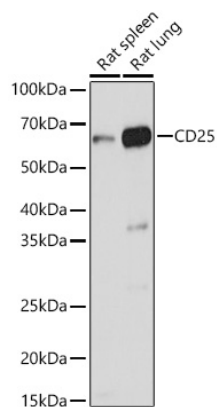
Affinity purification

Storage

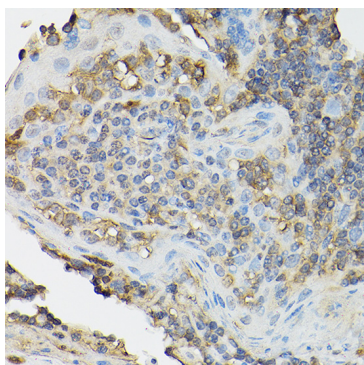
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

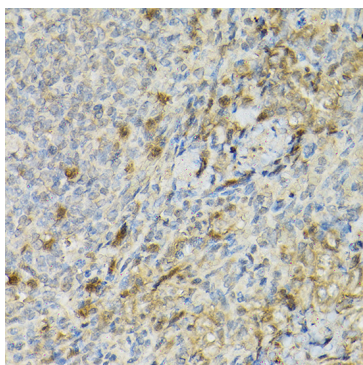
Validation Data



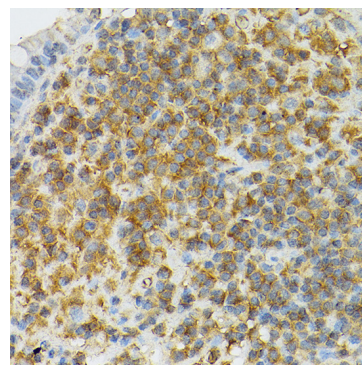
Western blot analysis of various lysates using CD25 Rabbit pAb (A2984) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 3s.



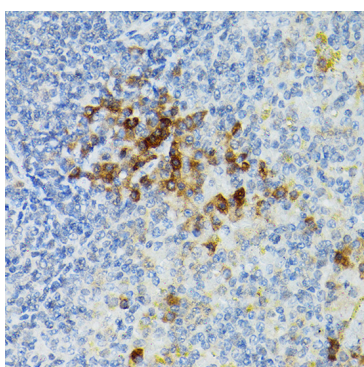
Immunohistochemistry analysis of paraffin-embedded Human tonsil using CD25 Rabbit pAb (A2984) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



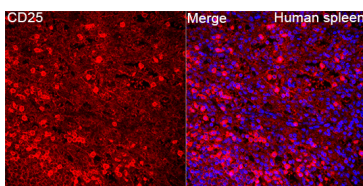
Immunohistochemistry analysis of paraffin-embedded Rat spleen using CD25 Rabbit pAb (A2984) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



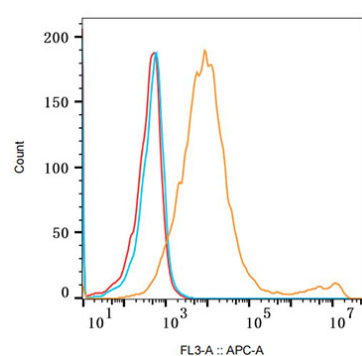
Immunohistochemistry analysis of paraffin-embedded Human gastric cancer tissue using CD25 Rabbit pAb (A2984) at a dilution of 1:25 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD25 Rabbit pAb (A2984) at a dilution of 1:25 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded Human spleen tissue using CD25 Rabbit pAb (A2984) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Flow cytometry: 293F Transfection cells(+) and 293F cells(-) were stained with Rabbit IgG isotype control (AC042, 10 µg/mL, blue line) or CD25 Rabbit pAb (A2984, 2.5µg/mL orange line), followed by Goat anti-Rabbit pAb Alexa Fluor 647 (AS086, 1:600 dilution) staining. Non-fluorescently stained Daudi cells was used as blank control (red line).