Leader in Biomolecular Solutions for Life Science

CD4 Rabbit PolymAb®

Catalog No.: A26036PM

Recombinant | 5 Publications

www.abclonal.com

Basic Information

Observed MW
51 kDa

Calculated MW
51 kDa

Category
Monoclonal Antibodies

Applications
WB, IF-F, IF-P, IHC-P, mIHC, ELISA

Cross Reactivity
Human, Mouse

Background

Predicted to enable several functions, including interleukin-16 binding activity; interleukin-16 receptor activity; and protein homodimerization activity. Involved in helper T cell enhancement of adaptive immune response. Acts upstream of or within several processes, including defense response to Gram-negative bacterium; positive regulation of calcium-mediated signaling; and positive regulation of peptidyl-tyrosine phosphorylation. Located in endoplasmic reticulum; external side of plasma membrane; and membrane raft. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system; and liver and biliary system. Used to study type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in immunodeficiency 79. Orthologous to human CD4 (CD4 molecule).

Recommended Dilutions

WB	1:5000 - 1:20000
IF-F	1:200 - 1:600
IF-P	1:200 - 1:600
IHC-P	1:200 - 1:800
mIHC	1:200 - 1:800

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
12504/920

Swiss-Prot
P06332/P01730

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
L3T4; Ly-4

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

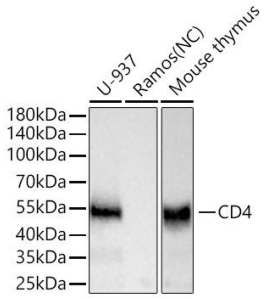
Source
Rabbit

Isotype
IgG

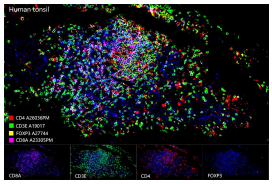
Purity
Affinity purification

Storage
Store at -20℃

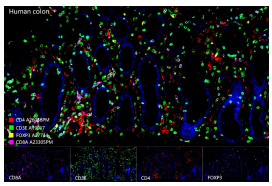
Validation Data



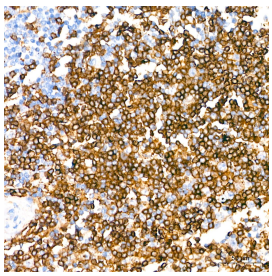
Western blot analysis of various lysates using CD4 Rabbit PolymAb® (A26036PM) at 1:5000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Ramos
Exposure time: 5s.



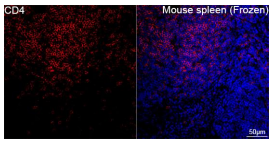
The multiplex IHC analysis on paraffin-embedded Human tonsil tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : FOXP3 Rabbit mAb (A27744, 1:600) with TSA-TYR-520 (Yellow), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-570 (Magenta), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-620 (Red), and CD3E Rabbit mAb (A19017, 1:4000)with TSA-TYR-690 (Green). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



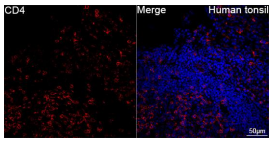
The multiplex IHC analysis on paraffin-embedded Human colon tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : FOXP3 Rabbit mAb (A27744, 1:600) with TSA-TYR-520 (Yellow), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-570 (Magenta), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-620 (Red), and CD3E Rabbit mAb (A19017, 1:4000)with TSA-TYR-690 (Green). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using CD4 Rabbit PolymAb® (A26036PM) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Confocal imaging of frozen sections of Mouse spleen tissue using CD4 Rabbit PolymAb® (A26036PM, 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 paraffin-embedded Human tonsil tissue using CD4 Rabbit PolymAb® (A26036PM, 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). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.