

CD19 Rabbit mAb

Catalog No.: A26042**Recombinant**

Basic Information

Observed MW

60-120 kDa

Calculated MW

60kDa

Category

Monoclonal Antibodies

Applications

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

Cross Reactivity

Mouse

Clone No.

ARC68235

Background

Involved in several processes, including B-1 B cell differentiation; positive regulation of phosphatidylinositol 3-kinase activity; and positive regulation of release of sequestered calcium ion into cytosol. Acts upstream of or within B cell receptor signaling pathway. Located in external side of plasma membrane. Is integral component of plasma membrane. Is expressed in liver and spleen. Human ortholog(s) of this gene implicated in common variable immunodeficiency. Orthologous to human CD19 (CD19 molecule).

Recommended Dilutions

WB	1:1000 - 1:4000
IF/ICC	1:200 - 1:800
IF-P	1:200 - 1:800
IHC-P	1:2000 - 1:8000
FC	1:1000 - 1:2000
mIHC	1:1000 - 1:4000

ELISA

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

Immunogen Information

Gene ID

12478

Swiss-Prot

P25918

Immunogen

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

Synonyms

Cd19

Contact

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

Product Information

Source

Rabbit

Isotype

IgG

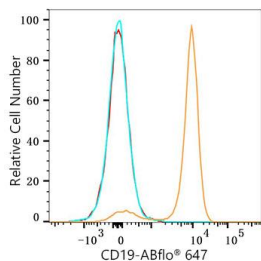
Purity

Affinity purification

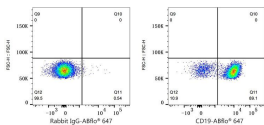
Storage

Store at -20°C

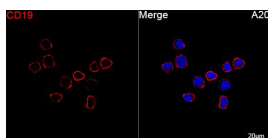
Validation Data



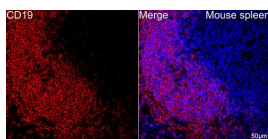
Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with CD19 Rabbit mAb (A26042, 2 $\mu\text{g/mL}$, orange line) or Rabbit IgG isotype control (AC042, 2 $\mu\text{g/mL}$, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



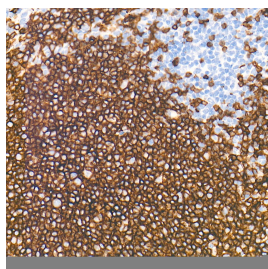
Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with Rabbit IgG isotype control (AC042, 2 $\mu\text{g/mL}$, left) or CD19 Rabbit mAb (A26042, 2 $\mu\text{g/mL}$, right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.



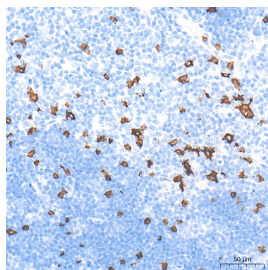
Confocal imaging of A20 cells using CD19 Rabbit mAb (A26042, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



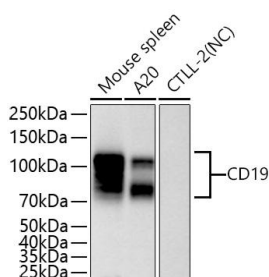
Confocal imaging of paraffin-embedded Mouse spleen tissue using CD19 Rabbit mAb (A26042, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD19 Rabbit mAb (A26042) at a dilution of 1:2000 (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 CD19 Rabbit mAb (A26042) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Western blot analysis of various lysates using CD19 Rabbit mAb (A26042) at 1:1000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

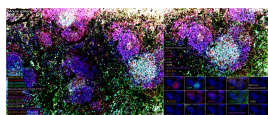
Lysates/proteins: 25 μg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

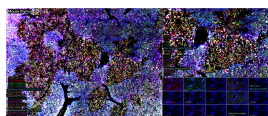
Detection: ECL Basic Kit (RM00020).

Negative control (NC): CTLL-2.

Exposure time: 45 s.



The multiplex IHC analysis on paraffin-embedded Mouse spleen 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 CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Red), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-620 (Cyan), and CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-690 (Green), and Mannose Receptor/CD206 Rabbit mAb (A21014, 1:200) with TSA-TYR-480 (Light Pink), and CD19 Rabbit mAb (A26042, 1:2000) with TSA-TYR-520 (Golden Orange), and CD22 Rabbit PolymAb® (A26417PM, 1:200) with TSA-TYR-570 (Magenta), and CD86 Rabbit mAb (A29061, 1:1500) with TSA-TYR-620 (Yellow), and F4/80 Rabbit mAb (A23788, 1:500) with TSA-TYR-690 (Yellow-Green), and CD163 Rabbit PolymAb® (A26411PM, 1:20000) with TSA-TYR-480 (Pale Pink), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-520 (Bright Magenta), and Myeloperoxidase (MPO) Rabbit mAb (A22900, 1:6000) with TSA-TYR-570 (Purple), and CR2/CD21 Rabbit mAb (A23512, 1:5000) with TSA-TYR-620 (Amber), and CD11b Rabbit PolymAb® (A26754PM, 1:400) with TSA-TYR-690 (Orange). DAPI (White) 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 Mouse thymus tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : FOXP3 Rabbit mAb (A27744, 1:600) with TSA-TYR-520 (Amber), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Red), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-620 (Bright Green), and CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-690 (Green), and Mannose Receptor/CD206 Rabbit mAb (A21014, 1:200) with TSA-TYR-480 (Cyan), and CD19 Rabbit mAb (A26042, 1:2000) with TSA-TYR-520 (Golden Orange), and CD22 Rabbit PolymAb® (A26417PM, 1:200) with TSA-TYR-570 (White), and CD86 Rabbit mAb (A29061, 1:1500) with TSA-TYR-620 (Pink), and F4/80 Rabbit mAb (A23788, 1:500) with TSA-TYR-690 (Magenta), and CD163 Rabbit PolymAb® (A26411PM, 1:20000) with TSA-TYR-480 (Pale Pink), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-520 (Green), and Myeloperoxidase (MPO) Rabbit mAb (A22900, 1:6000) with TSA-TYR-570 (Pale Green), and CR2/CD21 Rabbit mAb (A23512, 1:5000) with TSA-TYR-620 (Bright Magenta), and CD11b Rabbit PolymAb® (A26754PM, 1:400) with TSA-TYR-690 (Light Pink). DAPI (White) 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 10x objective lens.