

A26042

Leader in Biomolecular Solutions for Life Science



CD19 Rabbit mAb

Catalog No.: A26042

Recombinant

Basic Information

Observed MW

Refer to figures

Calculated MW

60kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

IHC-P,IF/ICC,FC,ELISA

Cross-Reactivity

Mouse

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

IHC-P 1:400 - 1:2000

IF/ICC 1:200 - 1:800

FC 1:1000 - 1:2000

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

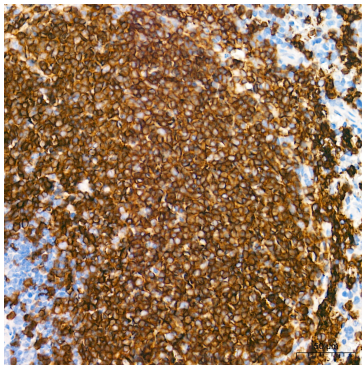
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

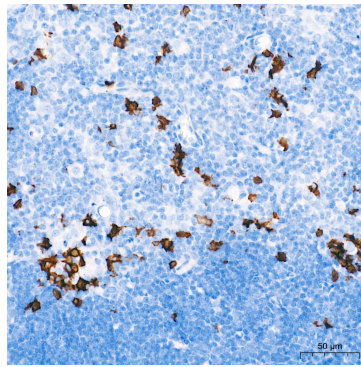
Contact



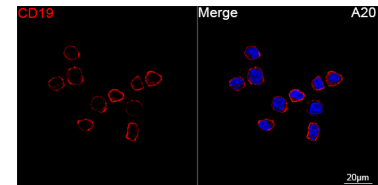
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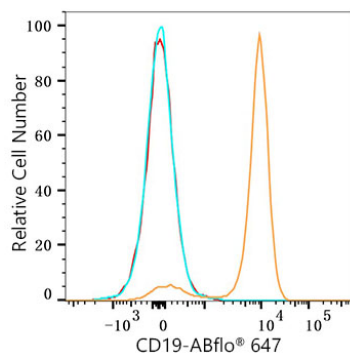
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD19 Rabbit mAb (A26042) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



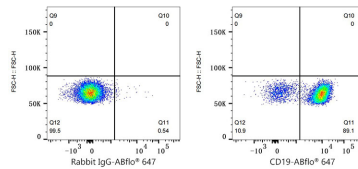
Immunohistochemistry analysis of paraffin-embedded Mouse thymus tissue using CD19 Rabbit mAb (A26042) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.



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