Datasheet for ABIN2855077

# anti-CD19 antibody

4 Images | 1 Publication

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | CD19 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CD19 antibody is un-conjugated |
| Application: | Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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|---|---|
| Immunogen: | Recombinant protein encompassing a sequence within the center region of human CD19. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Characteristics: | Rabbit Polyclonal antibody to CD19 (CD19 Molecule)<br>CD19 antibody [C1C3] |
| Purification: | Purified by antigen-affinity chromatography. |

## Target Details

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|---|---|
| Target: | CD19 |
| Alternative Name: | CD19 molecule (CD19 Products) |

## Target Details

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|---|---|
| Background: | Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. |
| Molecular Weight: | 61 kDa |
| Gene ID: | 930 |
| UniProt: | P15391 |
| Pathways: | Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway |

## Application Details

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|---|---|
| Application Notes: | WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. FACS: 1:50-1:200. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment: | Positive Control: mouse leukocyte |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Concentration: | 0.21 mg/mL |
| Buffer: | 1XPBS ( pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300 |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |

## Publications

Product cited in:


Manzione, Rombouts, Steklov, Pasquali, Sablina, Gelens, Qian, Bollen: "Co-regulation of the antagonistic RepoMan:Aurora-B pair in proliferating cells." in: **Molecular biology of the cell**, Vol. 31, Issue 6, pp. 419-438, (2020) (PubMed).

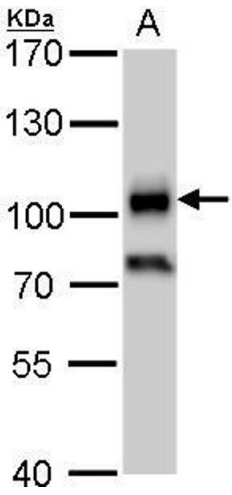
Huang, Zhang, Jiang, Zhang, Xiang, Ren: "FoxM1 Induced Paclitaxel Resistance via Activation of the FoxM1/PHB1/RAF-MEK-ERK Pathway and Enhancement of the ABCA2 Transporter." in: **Molecular therapy oncolytics**, Vol. 14, pp. 196-212, (2019) (PubMed).

Cohn, Feldman, Weil, Kublanovsky, Levy: "Chromatin associated SETD3 negatively regulates VEGF expression." in: **Scientific reports**, Vol. 6, pp. 37115, (2018) (PubMed).

Xie, Wu, Mack, Yang, Kim, Hubert, Flavahan, Chu, Bao, Rich: "CDC20 maintains tumor initiating cells." in: **Oncotarget**, Vol. 6, Issue 15, pp. 13241-54, (2016) (PubMed).

Sanders, Ross-Innes, Beraldi, Carroll, Balasubramanian: "Genome-wide mapping of FOXM1 binding reveals co-binding with estrogen receptor alpha in breast cancer cells." in: **Genome biology**, Vol. 14, Issue 1, pp. R6, (2014) (PubMed).

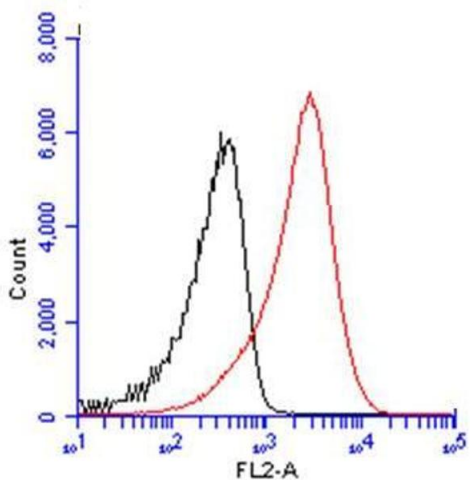

## Images




**Western Blotting**

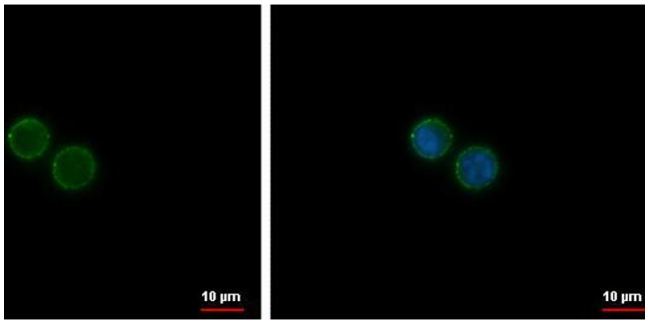
**Image 1.** WB Image CD19 antibody detects CD19 protein by western blot analysis. A. 30 µg Raji whole cell lysate/extract 7.5 % SDS-PAGE CD19 antibody , dilution: 1:1000

## Images




### Flow Cytometry

**Image 2.** FACS Image CD19 antibody [C1C3] , detects CD19 protein by flow cytometry analysis. Sample: mouse splenocytes cell fixed in 4% paraformaldehyde at 4ºC for 15 min. Black: Unlabelled sample was used as a control. Red: CD19 antibody [C1C3] , dilution: 1:50. Acquisition of 20,000 events were collected using a Dylight 488-conjugated secondary antibody for FACS analysis.




### Immunofluorescence

**Image 3.** ICC/IF Image CD19 antibody [C1C3] detects CD19 protein at membrane by immunofluorescent analysis. Sample: Raji cells were fixed in ice-cold MeOH for 5 min. Green: CD19 protein stained by CD19 antibody [C1C3] , diluted at 1:1000. Blue: Hoechst 33342 staining.

Please check the product details page for more images. Overall 4 images are available for ABIN2855077.