# Anti-CD19 Recombinant Rabbit Monoclonal Antibody

# Catalog #: 1253

## Aliases

CD19; CD19 Molecule; B-Lymphocyte Surface Antigen B4; T-Cell Surface Antigen Leu-12; Differentiation Antigen CD19; B-Lymphocyte Antigen CD19; CD19 Antigen; CVID3; B4

## Background

Gene Name: CD19
NCBI Gene Entry: 930
UniProt Entry: P15391

## Application Information

Molecular Weight: Predicted, 61 kDa; observed, 95 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB2375
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), immunocytochemistry (IC), flow cytometry (FCM), immunohistochemistry (IHC)

## Immunogen

A synthesized peptide derived from human CD19

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Immunocytochemistry (IC): 1:100-1:1,000
Flow Cytometry (FCM): 1:2,000
Immunohistochemistry (IHC): 1:100-1:200

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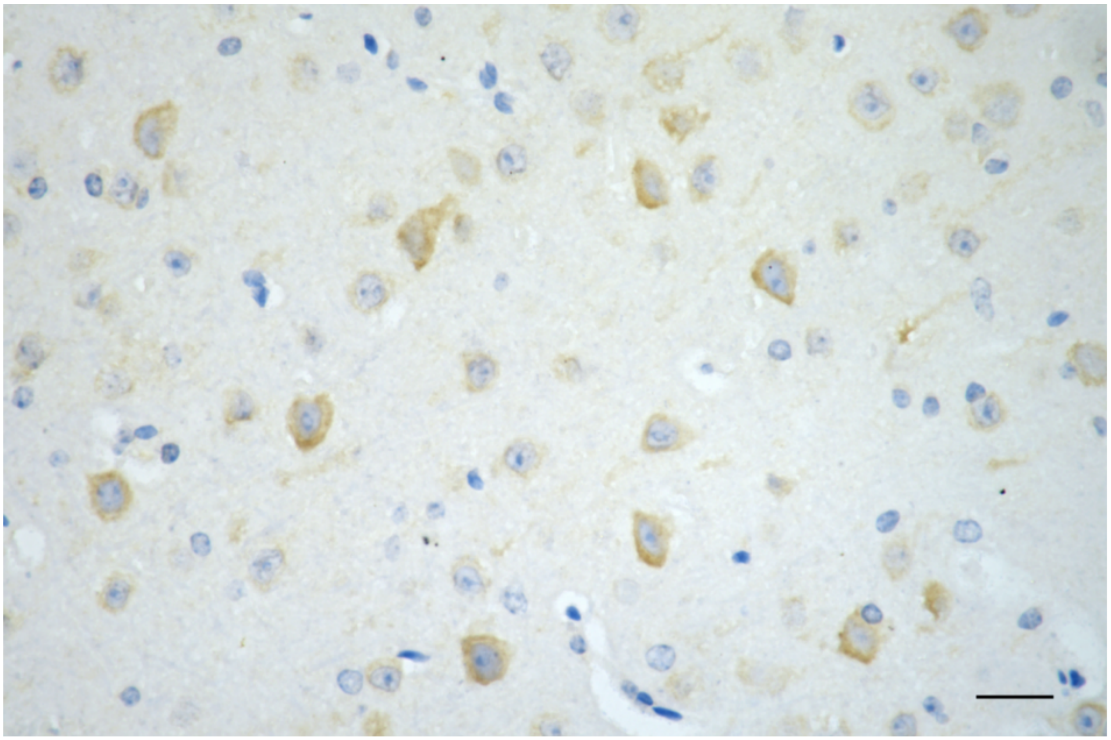
**Note:** This product is for research use only.

## Validation Data





Immunohistochemistry was performed on paraffin-embedded mouse brain using anti-CD19 antibody (Cat#1253, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.

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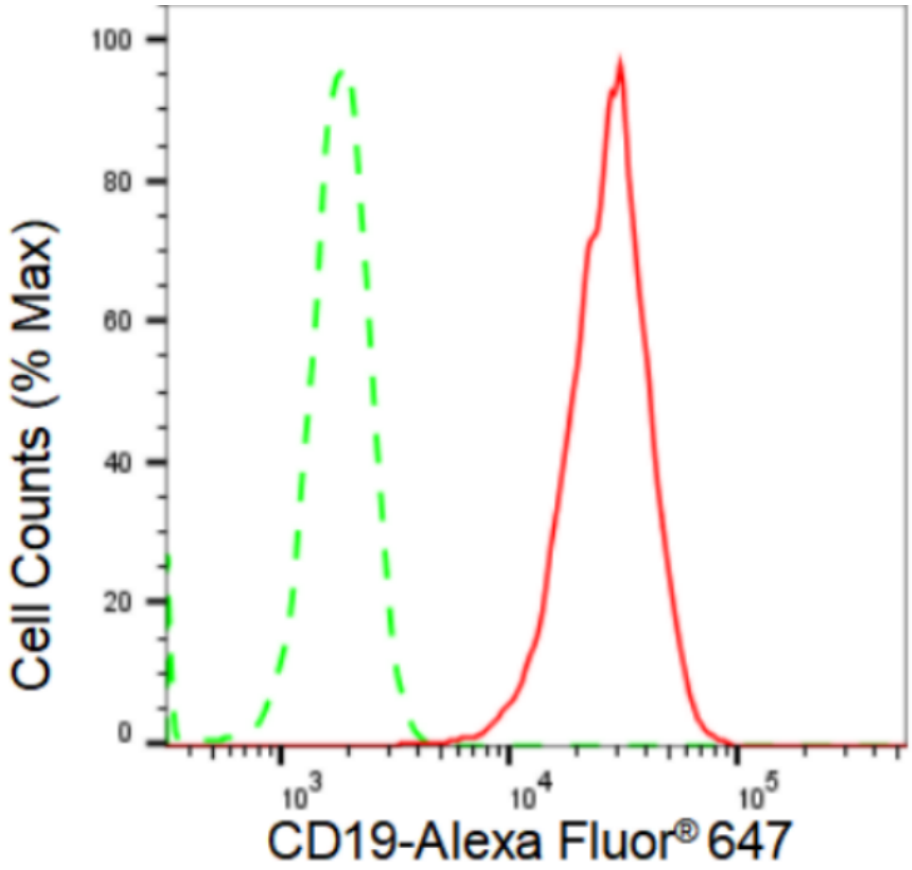
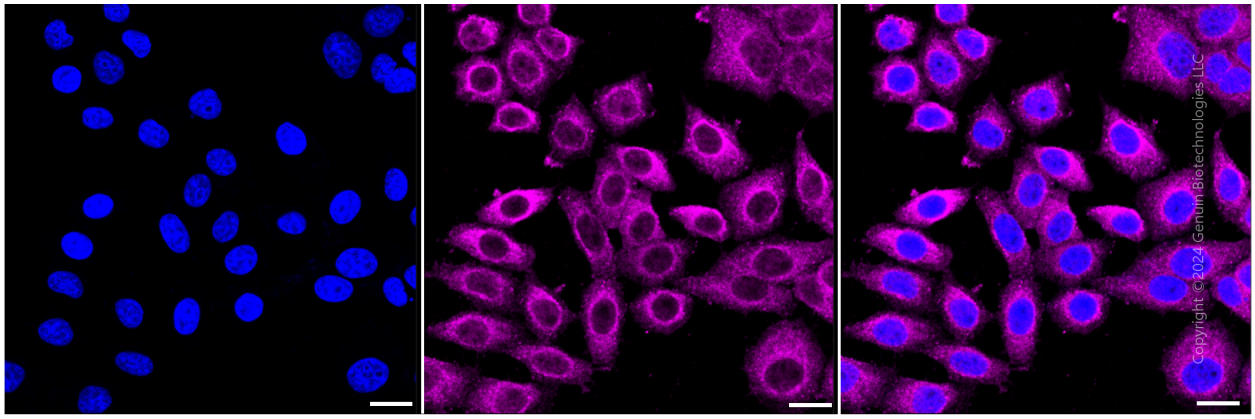





Flow cytometric analysis of CD19 expression in HepG2 cells using CD19 antibody (Cat#1253, 1:2,000). Green, isotype control; red, CD19.




Immunocytochemical staining of HepG2 cells with anti-CD19 antibody (Cat#1253, 1:1,000). Nuclei were stained blue with DAPI; CD19 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.

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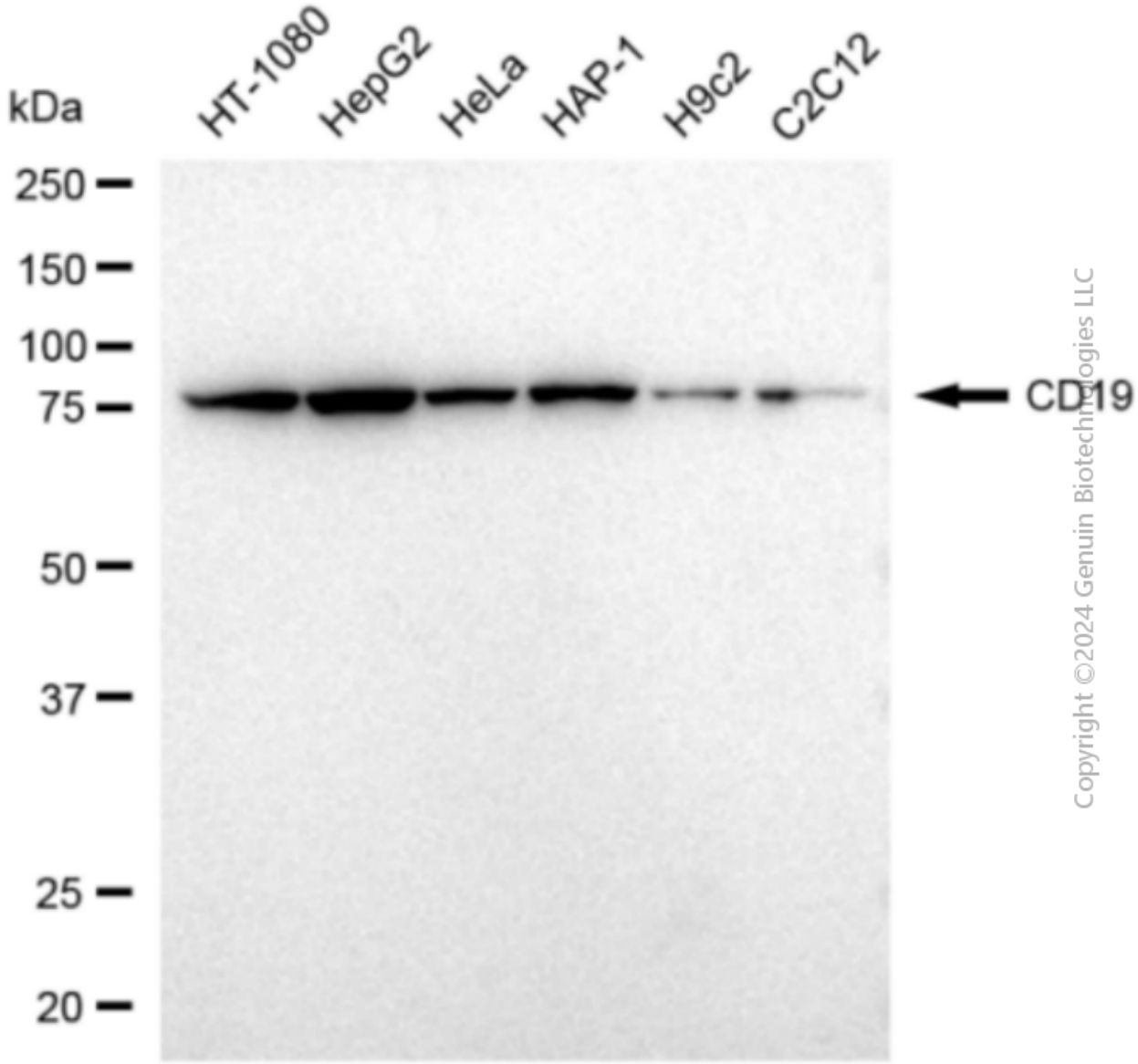


Western blotting analysis using anti-CD19 antibody (Cat#1253). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD19 antibody (Cat#1253, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).