

Datasheet for ABIN6941099

anti-CD19 antibody

4 Images

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Overview

Quantity:	100 µg
Target:	CD19
Reactivity:	Human, Monkey, Chimpanzee
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD19 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant full-length human CD19 protein
Clone:	CVID3-429
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CD19
Alternative Name:	CD19 (CD19 Products)
Background:	CD19 is a transmembrane glycoprotein that contains two extracellular immunoglobulin-like domains. CD19 is present in both benign and malignant B-cells and is considered to be the most reliable surface marker of this lineage over a wide range of maturational stages. In normal lymphoid tissue, CD19 is observed in germinal centers, in mantle zone cells, and in scattered

Target Details

cells of the inter-follicular areas. Anti-CD19 exhibits an overall immunoreactivity pattern similar to those of the antibodies against CD20 and CD22. However, in contrast to CD20, expression of CD19 is continuous throughout B-cell development and through terminal differentiation of B-cells into plasma cells. Anti-CD19 positivity is seen in the vast majority of B-cell neoplasms commonly at a lower intensity than normal B-cell counterparts. Plasma cell neoplasms are nearly always negative, as are T-cell neoplasms.

Molecular Weight: 95kDa

Gene ID: 930

UniProt: [P15391](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: Positive Control: Raji cells, Tonsil, Lymph Node or Spleen.
Known Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL),
Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

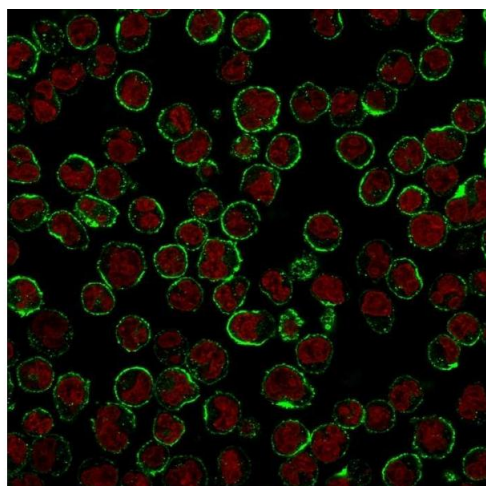
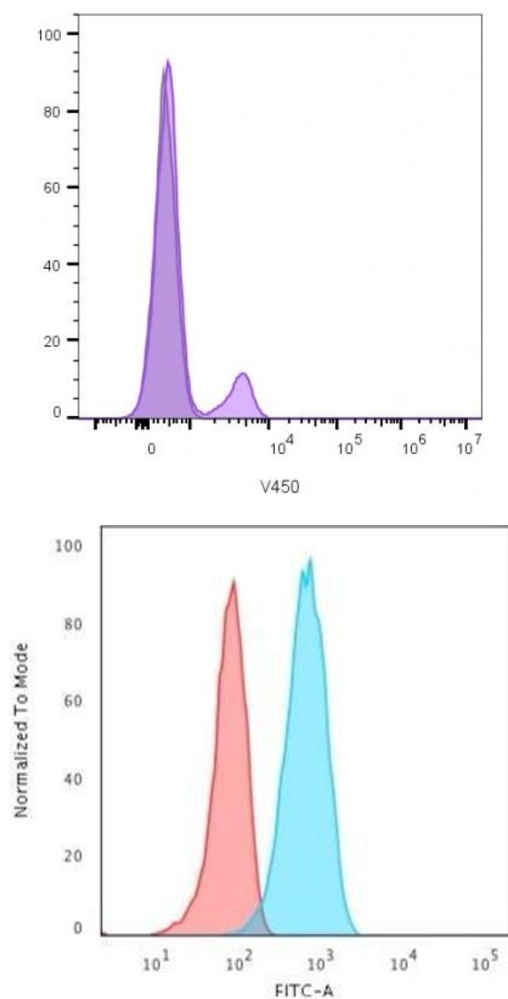
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



Flow Cytometry

Image 1. Flow cytometry analysis of lymphocyte-gated PBMCs unstained (gray) or stained with CF405S-labeled CD19 mouse monoclonal antibody (CVID3/429) (violet).

Flow Cytometry

Image 2. Flow Cytometric Analysis of Raji cells. CD19 Mouse Monoclonal Antibody (CVID3/429) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Immunofluorescence

Image 3. Immunofluorescent staining of Raji cells. CD19 Mouse Monoclonal Antibody (CVID3/429) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941099.