

Anti-CD19 Antibody [JF099-9]

ET1702-74



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, FC
Molecular Wt:	Predicted band size: 61 kDa
Clone number:	JF099-9

Description: CD19 is a transmembrane glycoprotein that contains two extracellular immunoglobulin-like domains. CD19 is selectively expressed on the cell surface of B-lymphocytes, where it activates intracellular signaling cascades involving both Ras and phosphatidylinositol 3-kinase pathways. Activation of CD19 results in cross-linking of the membrane protein immunoglobulin chains and the subsequent association with Src family protein tyrosine kinases (PTK). Expression of CD19 is continuous throughout B-cell development and through terminal differentiation of B-cells into plasma cells. CD19 forms functional complexes with B-lymphocyte surface proteins, including integrin b1, CD21 and CD81, which are involved in regulating B-cell development.

Immunogen: Synthetic peptide within Human CD19 aa 384-430 / 556.

Positive control: Raji cell lysate, Ramos cell lysate, PC-12 cell lysate, mouse spleen tissue lysate, rat spleen tissue lysate, Jurkat.

Subcellular location: Membrane, Membrane raft.

Database links: SwissProt: P15391 Human | P25918 Mouse
Entrez Gene: 365367 Rat

Recommended Dilutions:

WB	1:2,000
FC	1:50-1:100

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

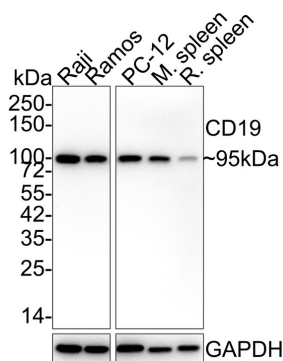
Technical:0086-571-89986345

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Images

Fig1: Western blot analysis of CD19 on different lysates with Rabbit anti-CD19 antibody (ET1702-74) at 1/2,000 dilution.



Lane 1: Raji cell lysate (15 µg/Lane)

Lane 2: Ramos cell lysate (15 µg/Lane)

Lane 3: PC-12 cell lysate (15 µg/Lane)

Lane 4: Mouse spleen tissue lysate (20 µg/Lane)

Lane 5: Rat spleen tissue lysate (20 µg/Lane)

Predicted band size: 61 kDa

Observed band size: 95 kDa

Exposure time: 1 minute 14 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (ET1702-74) at 1/2,000 dilution was used in 5% NFDN/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

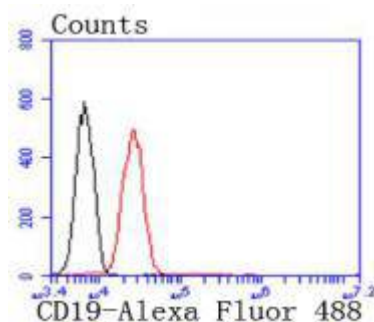


Fig2: Flow cytometric analysis of CD19 was done on Jurkat cells. The cells were fixed, permeabilized and stained with the primary antibody (ET1702-74, 1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated Goat anti-Rabbit IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Bourguine PE et al. Osteoinductivity of engineered cartilaginous templates devitalized by inducible apoptosis. Proc Natl Acad Sci U S A 111:17426-31 (2014).
2. Sohal SS et al. Evaluation of epithelial mesenchymal transition in patients with chronic obstructive pulmonary disease. Respir Res 12:130 (2011).

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