

## CD19 polyclonal antibody

Catalog: BS90221

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

75-100 kDa

### Swiss-Prot:

P15391(Human)      P25918(Mouse)      EntrezGene:365367(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:5,000

FC:1:10-1:100

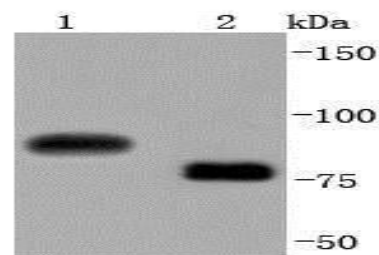
### Storage&Stability:

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

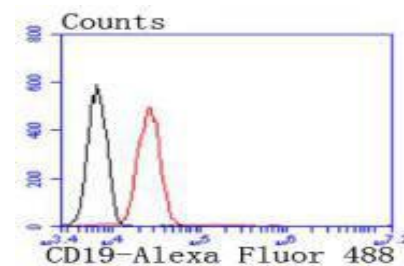
### Specificity:

CD19 polyclonal antibody detects endogenous levels of CD19 protein.

### DATA:



Western blot analysis of CD19 on different lysates using anti-CD19 antibody at 1/1,000 dilution. Positive control: Lane 1: Rat brain Lane 2: 293



Flow cytometric analysis of Jurkat cells with CD19 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

### Note:

For research use only, not for use in diagnostic procedure.

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