

## CD19 (D424) polyclonal antibody

Catalog: AP0792

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  $\beta 1$ , CD21 and CD81, which are involved in regulating B-cell development.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 80 kDa

### Swiss-Prot:

P15391

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 96% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

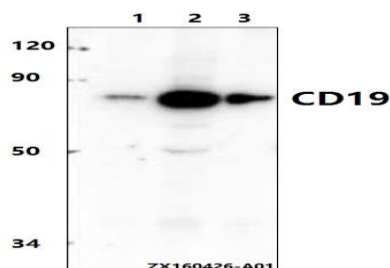
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CD19 (D424) polyclonal antibody detects endogenous levels of CD19 protein.

### DATA:



Western blot (WB) analysis of CD19 (D424) polyclonal antibody at 1:500 dilution

Lane1:THP-1 whole cell lysate(20ug)

Lane2:Jurkat whole cell lysate(20ug)

Lane3:HEK293T whole cell lysate(20ug)

Lane4:The spleen tissue lysate of Mouse(40ug)

Lane5:The spleen tissue lysate of Rat(40ug)

### Note:

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

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