

# Anti-CD19 Antibody

## R1107-7



|                            |   |
|----------------------------|---|
| <b>Product Type:</b>       | Rabbit polyclonal IgG, primary antibodies |
| <b>Species reactivity:</b> | Human, Mouse                              |
| <b>Applications:</b>       | WB  |
| <b>Molecular Wt:</b>       | Predicted band size: 61kDa                |

**Description:** B-lymphocyte antigen CD19 also known as CD19 (Cluster of Differentiation 19), is a 95 kDa type-I transmembrane glycoprotein which is restricted to B cell antigen. On the B cell surface, CD19 associates with CD21, CD81 and Leu-13 to exert its function. CD19 is also found on the follicular dendritic cells and the early cells of myelomonocytic lineage but not on normal T cells, NK cells, monocytes, granulocytes, erythrocytes and platelets.

**Immunogen:** Synthetic peptide corresponding to Human CD19 aa 131-180 / 556.

**Positive control:** NCCIT, F9

**Subcellular location:** Cell membrane

**Database links:** SwissProt: P15391 Human | P25918 Mouse

**Recommended Dilutions:**

**WB** 1:2,000-1:5,000

**Storage Buffer:** 1\*PBS (pH7.4), 0.2% 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:** Immunogen affinity purified.

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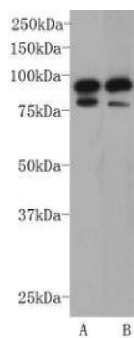
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## Images



**Fig1:** Western blot analysis on F9 (A) and NCCIT (B) cell lysates using anti-CD19 rabbit polyclonal antibody.

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

## Background References

1. "An antibody-deficiency syndrome due to mutations in the CD19 gene."van Zelm M.C., Reisli I., van der Burg M., Castano D., van Noesel C.J.M., van Tol M.J.D., Woellner C., Grimbacher B., Patino P.J., van Dongen J.J.M., Franco J.L.N. Engl. J. Med. 354:1901-1912(2006)
2. "Systematic analysis of the role of CD19 cytoplasmic tyrosines in enhancement of activation in Daudi human B cells: clustering of phospholipase C and Vav and of Grb2 and Sos with different CD19 tyrosines."Brooks S.R., Li X., Volanakis E.J., Carter R.H.J. Immunol. 164:3123-3131(2000)

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