

**Catalogue No.**

AB0097-200

**Qty:**

600 µg

## Anti-CD19

**Source:** Goat

**General description:** Goat polyclonal antibody to CD19. CD19 is a type I transmembrane glycoprotein with 2 C-type Ig domains and multiple phosphorylation sites on long cytoplasmic domain. It is a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. It is a major B lineage marker.

**Alternative names:** B4, Bgp95, B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, CVID3, differentiation antigen CD19, T-cell surface antigen Leu-12 antibody.

**Form:** Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant peptide within residues 510 aa to the C-terminus of human CD19 produced in E. coli.

**Specificity:** Using spleen and Jurkat cell lysates detects a 95 kDa band by Western blot. This Ab is similar to AB1097.

**Reactivity:** Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	+++	+++	ND	ND
Rat	+++	+++	+++	ND	ND
Mouse	+++	+++	+++	ND	ND
Canine	+++	+++	+++	ND	ND
Monkey	+++	+++	+++	ND	ND

+++ excellent, ++ good, + poor, ND not determined

**Usage:**

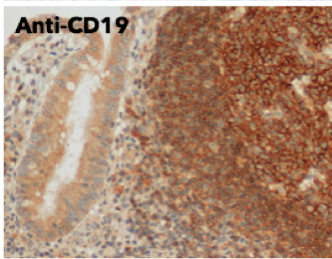
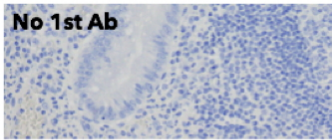
WB: 1:500-1:2,000

IHC (F): 1:250-1:1,000

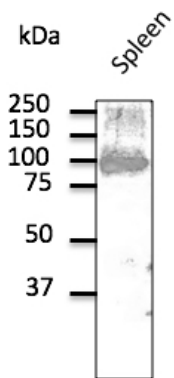
IHC (P): 1:250-1:1,000

**Storage:** For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

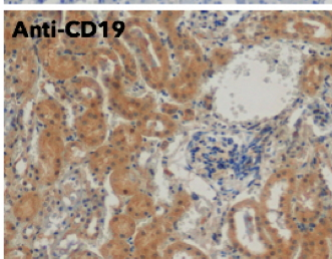
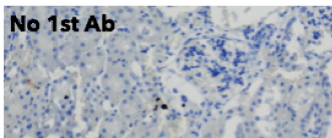
**Special instructions:** The antibody solution should be gently mixed before use..



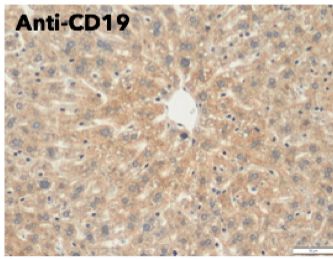
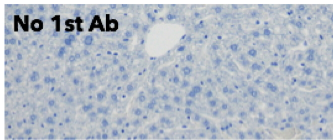
IHC of human appendix using anti-CD19 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD19 Ab at 1:750/DAB detection.



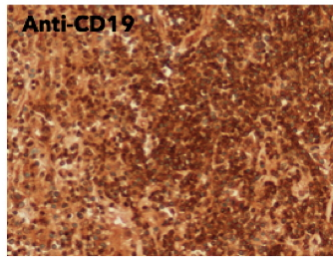
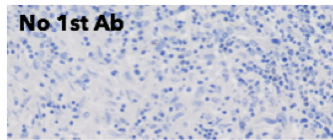
Endogenous CD19 detected with at 1/500 dilution; lysate at 100 µg per lane and rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution.



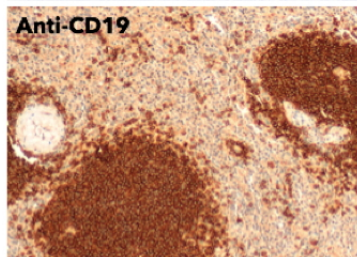
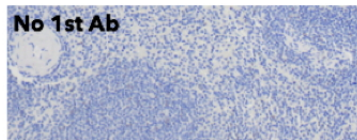
IHC of mouse kidney using anti-CD19 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD19 Ab at 1:750/DAB detection.



IHC of mouse liver using anti-CD19 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD19 Ab at 1:750/DAB detection.



IHC of human lymph node using anti-CD19 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD19 Ab at 1:750/DAB detection.



IHC of mouse spleen using anti-CD19 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD19 Ab at 1:750/DAB detection.

For research use only, not for diagnostic use

#### SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.