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## Anti-Human CD19 Purified

**Catalog Number:** 14-0190

**Also known as:** AW495831

**RUO: For Research Use Only. Not for use in diagnostic procedures.**

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### Product Information

**Contents:** Anti-Human CD19 Purified  
**Catalog Number:** 14-0190  
**Clone:** LC1  
**Concentration:** 0.5 mg/mL  
**Host/Isotype:** Mouse IgG1, k

REF

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer  
**Temperature Limitation:** Store at 2-8°C.



LOT



**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**

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### Description

The LC1 monoclonal antibody reacts with human CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express CD19. Together CD21, CD81, Leu13, MHC class II, and CD19 form a multi-molecular complex that associates with BCR. Signaling through CD19 induces tyrosine phosphorylation, calcium flux and proliferation of B cells. The antibody recognizes a sequence near the carboxy terminus.

### Applications Reported

This LC1 antibody has been reported for use in western blotting and immunohistochemical staining of formalin-fixed paraffin embedded tissue sections.

### Applications Tested

This LC1 antibody has been tested by western blot and can be used at less than or equal to 5 ug/mL. This antibody has also been tested by immunohistochemistry on FFPE human tonsil using high pH antigen retrieval at less than or equal to 10 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

### Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein  
00-4954 20X TBS Wash Buffer for IHC/ICC  
00-4956 IHC Antigen Retrieval Solution – High pH (10X)  
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

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