

## Anti-Human CD20 eFluor® 660 (Alexa Fluor® 647 Replacement)

**Catalog Number:** 50-0202

**Also known as:** B1, MS4A2, Leu-16

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

### Product Information

**Contents:** Anti-Human CD20 eFluor® 660  
(Alexa Fluor® 647 Replacement)  
**Catalog Number:** 50-0202  
**Clone:** L26  
**Concentration:** 0.2 mg/mL  
**Host/Isotype:** Mouse IgA, kappa



**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**

### Description

The monoclonal antibody L26 recognizes human CD20, a two transmembrane spanning protein found on precursor and mature B lymphocytes. Expression is lost upon differentiation to plasma cells. The levels of CD20 are critical in evaluating malignant B lymphocytes including Non-Hodgkin's Lymphoma, and Acute B cell, Chronic Lymphocytic and Hairy-Cell Leukemias. CD20 plays a role in B cell differentiation and activation. The structure of the protein shows a small extracellular loop with the carboxy and amino termini in the cytoplasmic compartment. The L26 antibody recognizes an epitope in the cytoplasmic domain and therefore requires permeabilization of the tissue for staining applications. Unlike many anti-CD20 antibodies that recognize the extracellular domain, the epitope recognized by L26 will not be blocked by therapeutic antibodies to CD20, like Rituximab.

### Applications Reported

This L26 antibody has been reported for use in immunohistochemical staining of formalin-fixed paraffin embedded tissue sections.

### Applications Tested

This L26 antibody has been tested by immunohistochemistry on formalin-fixed paraffin embedded human tonsils using IHC Antigen Retrieval Solution – Low pH (cat. 00-4955).

**eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.** This can be used at less than or equal to 20 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Mason DY, Comans-Bitter WM, Cordell JL, Verhoeven MA, van Dongen JJ. Antibody L26 recognizes an intracellular epitope on the B-cell-associated CD20 antigen. Am J Pathol. 1990 Jun;136(6):1215-22. (L26, IHC-P)

Ishii Y, Takami T, Yuasa H, Takei T, Kikuchi K. Two distinct antigen systems in human B lymphocytes: identification of cell surface and intracellular antigens using monoclonal antibodies. Clin Exp Immunol. 1984 Oct;58(1):183-92. (L26, characterization)

### Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein  
00-4954 20X TBS Wash Buffer for IHC/ICC  
00-4955 IHC Antigen Retrieval Solution – Low pH (10X)  
00-4958 Fluoromount-G™

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