

## Product datasheet

# Anti-CD20 antibody [LT20] (Biotin) ab27579

### 2 References

#### Overview

<b>Product name</b>	Anti-CD20 antibody [LT20] (Biotin)
<b>Description</b>	Mouse monoclonal [LT20] to CD20 (Biotin)
<b>Host species</b>	Mouse
<b>Conjugation</b>	Biotin
<b>Specificity</b>	ab27579 recognises human CD20 antigen.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue/ cell preparation (Human) - Normal human lymphocytes from lymph node.

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 15mM Sodium Azide Constituents: PBS, pH 7.4
<b>Purification notes</b>	Purified by precipitation and chromatography
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	LT20
<b>Isotype</b>	IgG2a

#### Applications

Our [Abpromise guarantee](#) covers the use of **ab27579** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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Application	Abreviews	Notes
Flow Cyt		1/150. <a href="#">ab97679</a> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

## Target

<b>Function</b>	This protein may be involved in the regulation of B-cell activation and proliferation.
<b>Tissue specificity</b>	Expressed on B-cells.
<b>Involvement in disease</b>	Defects in MS4A1 are the cause of immunodeficiency common variable type 5 (CVID5) [MIM:613495]; also called antibody deficiency due to CD20 defect. CVID5 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.
<b>Sequence similarities</b>	Belongs to the MS4A family.
<b>Post-translational modifications</b>	Phosphorylated. Might be functionally regulated by protein kinase(s).
<b>Cellular localization</b>	Membrane.

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