

Product datasheet

Anti-CD19 antibody, prediluted ab99967

1 Image

Overview

Product name	Anti-CD19 antibody, prediluted
Description	Rabbit polyclonal to CD19, prediluted
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	A synthetic peptide derived from C-terminus of Human CD19.
Positive control	Human Tonsil

Properties

Form	Prediluted
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, 50mM Tris, pH 7.6
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab99967** 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
IHC-P		1/1. Boil tissue section in 1mM EDTA, pH 8.0 for 10 min followed by cooling at RT for 20 min.

Target

Function	Assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for
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antigen receptor-dependent stimulation.

Involvement in disease

Defects in CD19 are the cause of immunodeficiency common variable type 3 (CVID3) [MIM:613493]; also called antibody deficiency due to CD19 defect. CVID3 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.

Sequence similarities

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

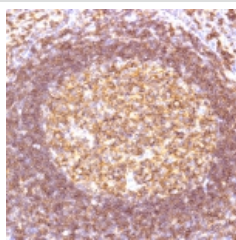
Post-translational modifications

Phosphorylated on serine and threonine upon DNA damage, probably by ATM or ATR. Phosphorylated on tyrosine following B-cell activation.

Cellular localization

Membrane.

Images



Staining of Human CD19 in a Formalin/PFA-fixed paraffin-embedded section of Human Tonsil using ab99967 at a dilution of 1/1.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - CD19 antibody, prediluted (ab99967)

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