

Product datasheet

Anti-CD19 antibody [HIB19] - Low endotoxin, Azide free ab185768

Overview

Product name	Anti-CD19 antibody [HIB19] - Low endotoxin, Azide free
Description	Mouse monoclonal [HIB19] to CD19 - Low endotoxin, Azide free
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, Functional Studies
Species reactivity	Reacts with: Human
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Normal Human peripheral blood cells
General notes	<p>Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2
	Aqueous buffer
Carrier free	Yes
Purity	Protein G purified
Purification notes	Functional grade purified.
Clonality	Monoclonal
Clone number	HIB19

Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab185768 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
Flow Cyt		Use at an assay dependent concentration. in a final volume of 100 uL. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
Functional Studies		Use at an assay dependent concentration.

Target

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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