

## Product datasheet

# Anti-CD23 antibody [SP23] - BSA and Azide free ab242380

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-CD23 antibody [SP23] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [SP23] to CD23 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to CD23.
<b>Positive control</b>	IHC-P: Human tonsil tissue. Flow Cyt: Jurkat cells.
<b>General notes</b>	ab242380 is the carrier-free version of <a href="#">ab16702</a> .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

**This product is FOR RESEARCH USE ONLY. For commercial use, please contact [partnerships@abcam.com](mailto:partnerships@abcam.com).**

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.

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

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.20 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP23
<b>Isotype</b>	IgG

## Applications

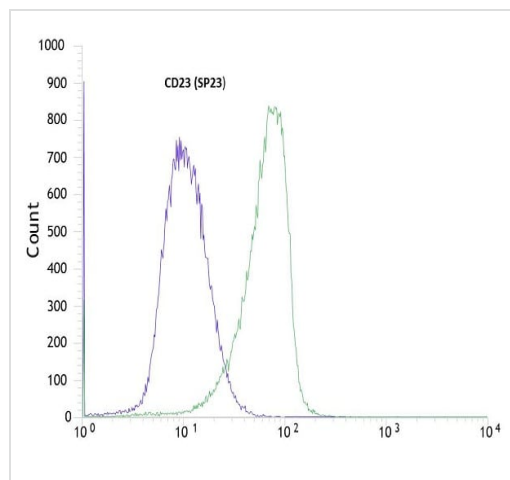
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab242380 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Flow Cyt</b>		Use at an assay dependent concentration. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
<b>IHC-P</b>		Use at an assay dependent concentration. Staining of formalin fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10 minutes followed by cooling at room temperature for 20 minutes.
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 36 kDa.

## Target

<b>Function</b>	This receptor has essential roles in the regulation of IgE production and in the differentiation of B-cells (it is a B-cell-specific antigen).
<b>Sequence similarities</b>	Contains 1 C-type lectin domain.
<b>Post-translational modifications</b>	N- and O-glycosylated.

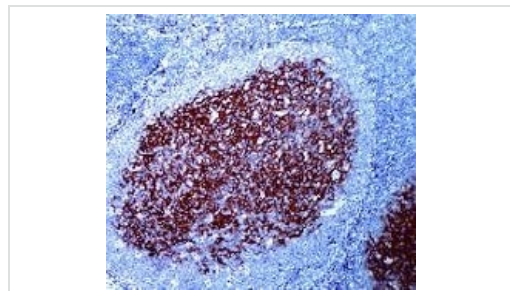
## Images



Flow Cytometry - Anti-CD23 antibody [SP23] - BSA and Azide free (ab242380)

Flow cytometric analysis of rabbit anti-CD23 (SP23) antibody **ab16702** (1/100) in Jurkats (green) compared to negative control of rabbit IgG (blue).

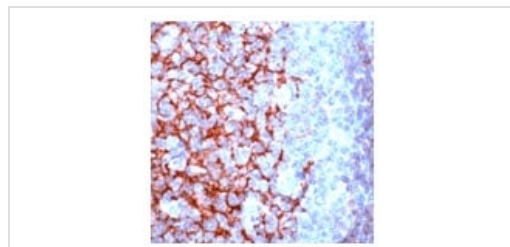
This data was developed using the same antibody clone in a different buffer formulation containing Tris buffered saline, BSA, and sodium azide (**ab16702**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD23 antibody [SP23] - BSA and Azide free (ab242380)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labelling CD23 with **ab137883** at 1/100.

This data was developed using the same antibody clone in a different buffer formulation containing Tris buffered saline, BSA, and sodium azide (**ab16702**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD23 antibody [SP23] - BSA and Azide free (ab242380)

**ab16702** at 1/100 dilution staining human CD23 in tonsil by Immunohistochemistry (FFPE-sections).

This data was developed using the same antibody clone in a different buffer formulation containing Tris buffered saline, BSA, and sodium azide (**ab16702**).

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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