




Product datasheet

Anti-CD23 antibody [BU38] ab254162

Recombinant

[1 References](#) [3 Images](#)

Overview

Product name	Anti-CD23 antibody [BU38]
Description	Mouse monoclonal [BU38] to CD23
Host species	Mouse
Tested applications	Suitable for: IHC-P, Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human CD23.  Run BLAST with ExPASy  Run BLAST with NCBI
Positive control	IHC-P: Human tonsil tissue. Flow Cyt: Human PBMC.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</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 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	BU38

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab254162 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		Use a concentration of 1.114 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt		Use a concentration of 11.14 µg/ml.

Target

Function

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).

Sequence similarities

Contains 1 C-type lectin domain.

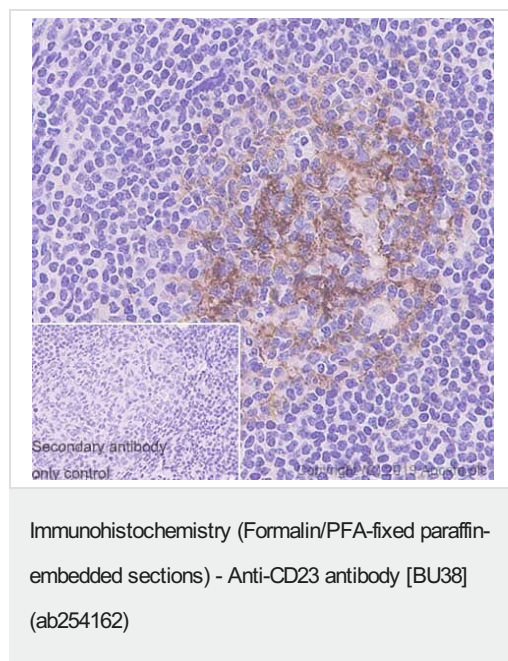
Post-translational modifications

N- and O-glycosylated.

Cellular localization

Cell membrane. Secreted. Also exists as a soluble excreted form.

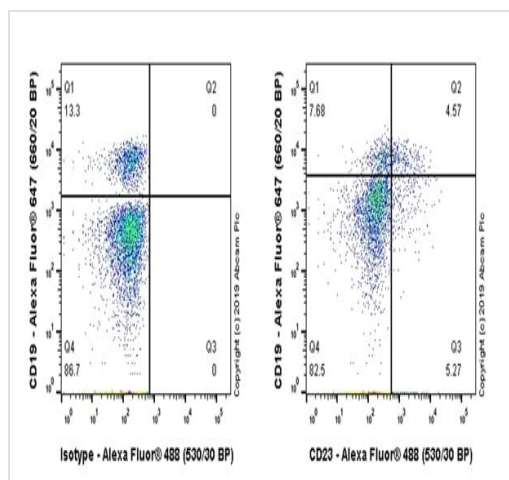
Images



Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling CD23 with ab254162 at 1.114µg/ml, followed by ready to use secondary. Positive staining on germinal center in the human tonsil is observed. The section was incubated with ab254162 for 30 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, followed by ready to use secondary.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.



Flow Cytometry - Anti-CD23 antibody [BU38]
(ab254162)

Flow cytometric analysis of human peripheral blood mononuclear cell (PBMC) (right) labeling CD23 with ab254162 at 11.14 µg/ml, compared with Mouse monoclonal IgG Isotype Control (left). Goat Anti-Mouse IgG (Alexa Fluor® 488) (**ab150113**) at 1/2000 dilution was used as the secondary antibody.

Cells were stained with mouse IgG (Left) or ab254162 (Right). Then stained with anti-CD19 conjugated to Alexa Fluor® 647.

Gated on viable cells.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CD23 antibody [BU38] (ab254162)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- 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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors