

Product datasheet

Anti-CD15 antibody [SP159] - BSA and Azide free ab240092

Recombinant RabMAb

★★★★★ **1 Abreviews** **8 Images**

Overview

Product name	Anti-CD15 antibody [SP159] - BSA and Azide free
Description	Rabbit monoclonal [SP159] to CD15 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, Flow Cyt
Species reactivity	Reacts with: Mouse, Human
Immunogen	Tissue, cells or virus corresponding to Human CD15. CD15 purified from U937 cells.
Positive control	IHC-P: Human Hodgkin's Lymphoma, spleen, cervix carcinoma, and mouse kidney tissues. Flow Cyt: THP-1 cells.
General notes	ab240092 is the carrier-free version of ab135377 .

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[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] 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.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP159
Isotype	IgG

Applications

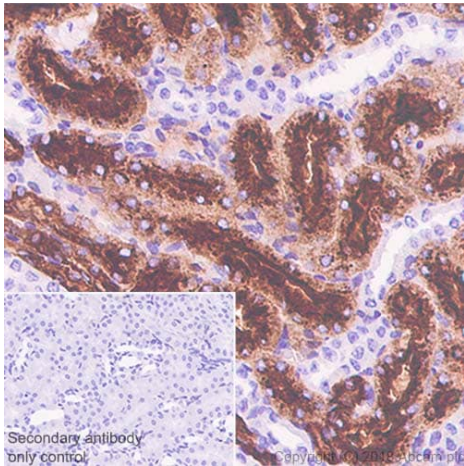
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab240092 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval by boiling tissue section in 1mM EDTA buffer, pH 8.0 for 10 min followed by cooling at room temperature for 20 min. Incubate with primary antibody for 10 minutes at room temperature.
Flow Cyt		Use at an assay dependent concentration. ab199376 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target

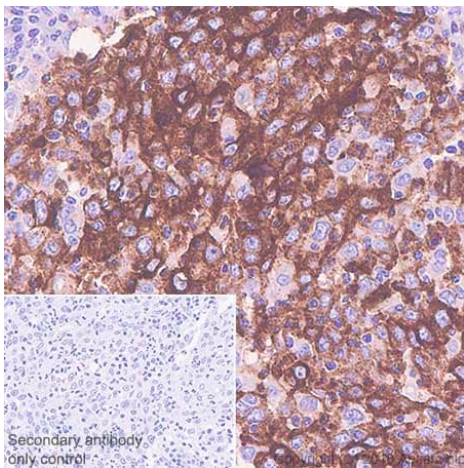
Relevance	CD15 is a carbohydrate adhesion molecule (and not a protein) that mediates phagocytosis and chemotaxis. Synthesis is directed by FUT4 in lymphoid cells and mature granulocytes, and by FUT9 in promyelocytes and monocytes.
Cellular localization	Golgi Apparatus; Membrane-bound form in trans cisternae of Golgi.

Images



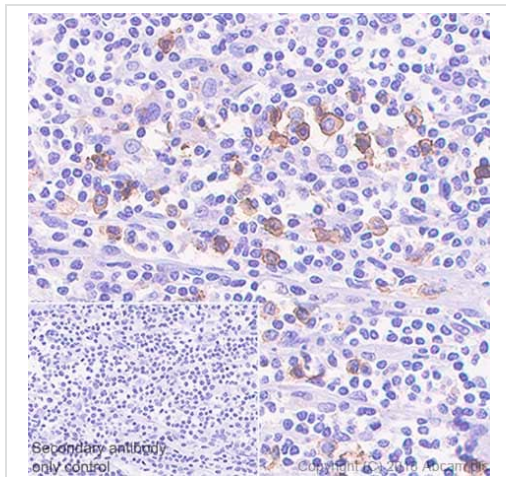
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD15 antibody [SP159] - BSA and Azide free (ab240092)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse kidney tissue sections labeling CD15 with [ab135377](#) at 1/50 dilution (3.14 µg/ml). Heat mediated antigen retrieval with Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on proximal tubular epithelial cells in the mouse kidney, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with [ab135377](#) for 30 mins at room temperature. This image was generated using [ab135377](#), the same clone, but with a different buffer formulation.



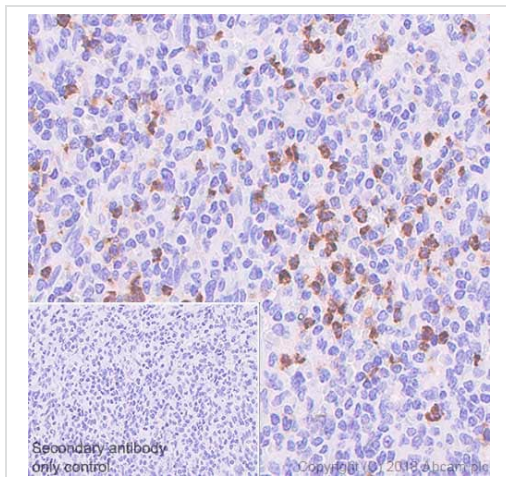
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD15 antibody [SP159] - BSA and Azide free (ab240092)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human cervix carcinoma tissue sections labeling CD15 with [ab135377](#) at 1/50 dilution (3.14 µg/ml). Heat mediated antigen retrieval with Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the human cervix carcinoma, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with [ab135377](#) for 30 mins at room temperature. This image was generated using [ab135377](#), the same clone, but with a different buffer formulation.



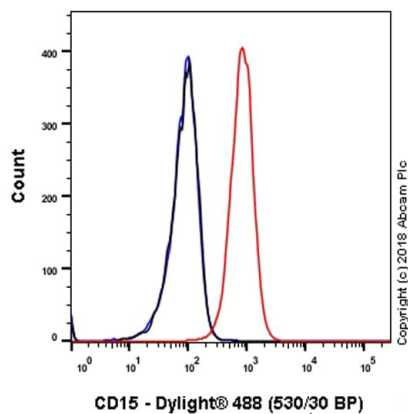
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD15 antibody [SP159] - BSA and Azide free (ab240092)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human Hodgkin's lymphoma tissue sections labeling CD15 with [**ab135377**](#) at 1/50 dilution (3.14 µg/ml). Heat mediated antigen retrieval with Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the human Hodgkin's lymphoma, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with [**ab135377**](#) for 30 mins at room temperature. This image was generated using [**ab135377**](#), the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD15 antibody [SP159] - BSA and Azide free (ab240092)

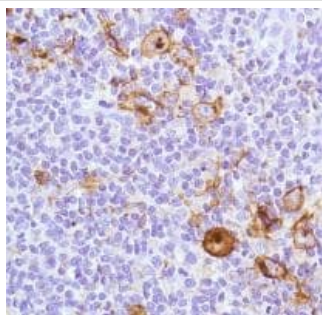
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human spleen tissue sections labeling CD15 with [**ab135377**](#) at 1/50 dilution (3.14 µg/ml). Heat mediated antigen retrieval with Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the human spleen, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with [**ab135377**](#) for 30 mins at room temperature. This image was generated using [**ab135377**](#), the same clone, but with a different buffer formulation.



Flow Cytometry - Anti-CD15 antibody [SP159] -
BSA and Azide free (ab240092)

Flow cytometry analysis of THP-1 (human acute monocytic leukemia) labeling CD15 with purified **ab135377** at 1/20 dilution (7.85 µg/ml) (red). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) at 1/2000 dilution was used as a secondary antibody. Isotypecontrol - Rabbit monoclonal IgG (**ab172730**) (black). Unlabeled control - Unlabelled cells (blue).

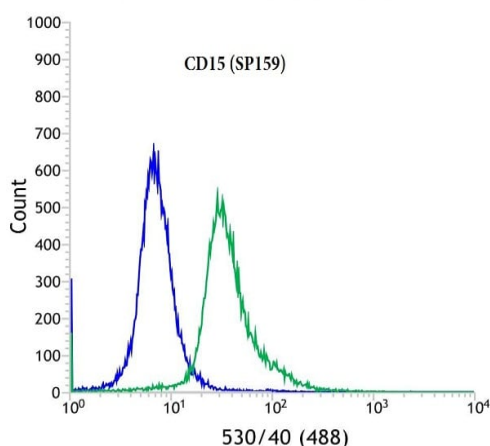
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab135377**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD15 antibody [SP159] -
BSA and Azide free (ab240092)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human Hodgkin's Lymphoma tissue labelling CD15 with **ab135377** at 1/100 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab135377**).



Flow Cytometry - Anti-CD15 antibody [SP159] -
BSA and Azide free (ab240092)

Flow cytometric analysis of rabbit anti-CD15 (SP159) antibody **ab135377** (1/200) in HL-60 cells(green) compared to negative control of rabbit IgG (blue).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab135377**).

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-CD15 antibody [SP159] - BSA and Azide free
(ab240092)

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

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