

Product datasheet

Anti-CD15 antibody [SP159] ab135377

Recombinant **RabMAb**

★★★★★ [1 Abreviews](#) [5 References](#) [8 Images](#)

Overview

Product name	Anti-CD15 antibody [SP159]
Description	Rabbit monoclonal [SP159] to CD15
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human Hodgkins Lymphoma, spleen, cervix carcinoma, and Mouse kidney tissues Flow Cyt: THP-1 cells
General notes	<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> <p>This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 1% BSA, PBS</p>
Purity	Protein A 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 ab135377 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		1/20 - 1/200. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★★ (1)	1/50. 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.

Target

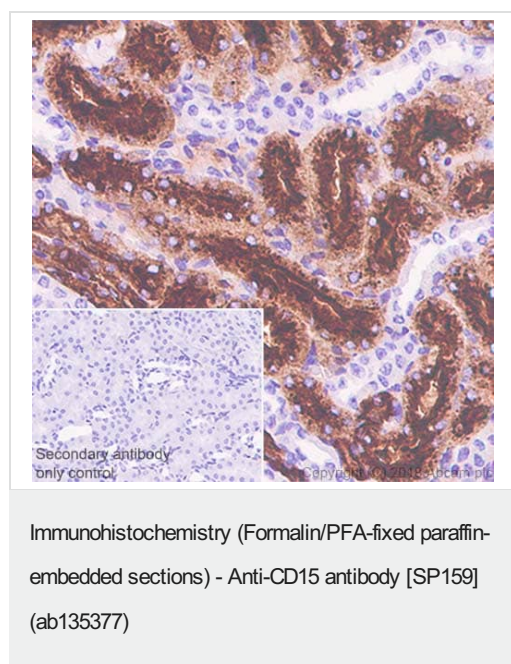
Relevance

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.

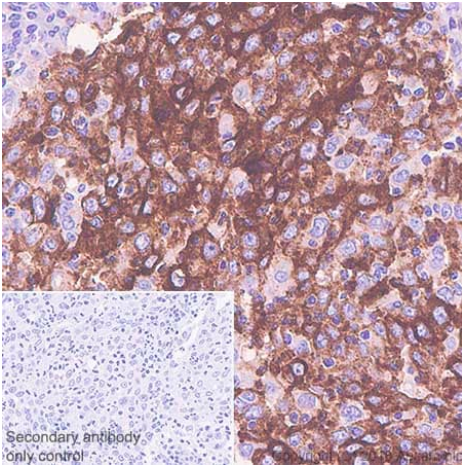
Cellular localization

Golgi Apparatus; Membrane-bound form in trans cisternae of Golgi.

Images

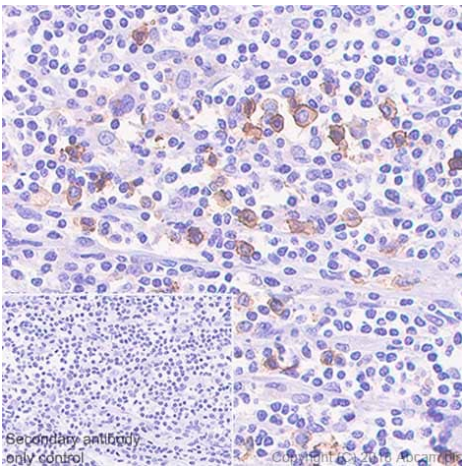


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse kidney tissue sections labeling CD15 with ab135377 at 1/50 dilution (3.14 µg/ml). Heat mediated antigen retrieval with Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was 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.



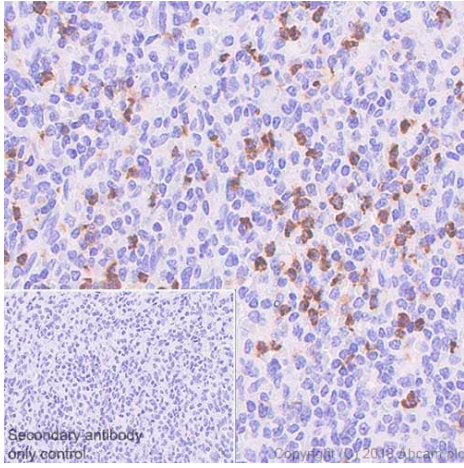
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD15 antibody [SP159] (ab135377)

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.



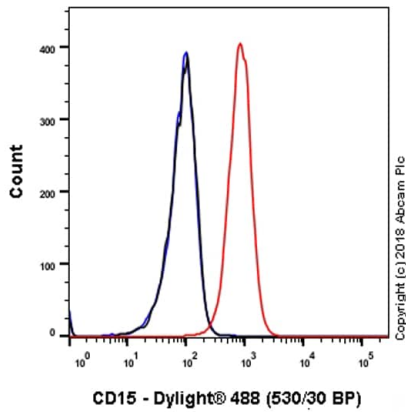
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD15 antibody [SP159] (ab135377)

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.



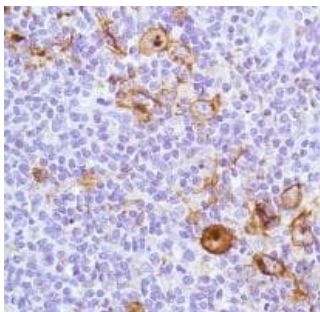
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD15 antibody [SP159] (ab135377)

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.



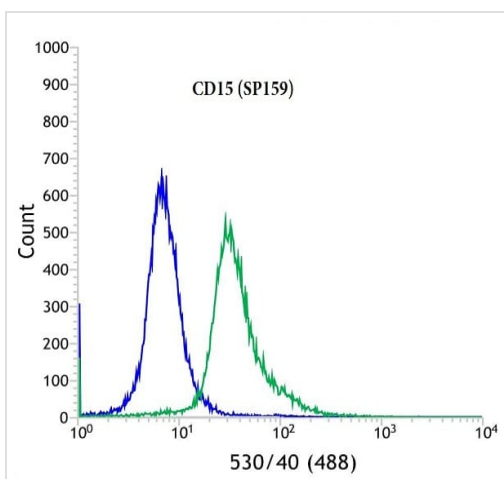
Flow Cytometry - Anti-CD15 antibody [SP159] (ab135377)

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. Isotype control - Rabbit monoclonal IgG (**ab172730**) (Black). Unlabeled control - Unlabelled cells (blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD15 antibody [SP159] (ab135377)

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



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).

Flow Cytometry - Anti-CD15 antibody [SP159]
(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] (ab135377)

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

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