

## Product datasheet

# Anti-CD16 antibody [SP175] ab183354

Recombinant RabMAb

★★★★★ 1 Abreviews 2 References 13 Images

### Overview

<b>Product name</b>	Anti-CD16 antibody [SP175]
<b>Description</b>	Rabbit monoclonal [SP175] to CD16
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human CD16 aa 200 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: <a href="#">P08637</a>
<b>Positive control</b>	IHC-P: Human lung, thymus, B cell lymphoma, uterus, spleen, placenta, liver, liver hepatocellular carcinoma, lung adenocarcinoma, pancreatic adenocarcinoma and HK lymphoma tissues. Flow Cyt: Jurkat cells.
<b>General notes</b>	<b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b>

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](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is

Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from TCS by protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP175
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab183354** 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		1/100. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/100. Antigen retrieval: Boil tissue section in EDTA buffer, pH 8.0 for 10 min followed by cooling at room temperature for 20 min.

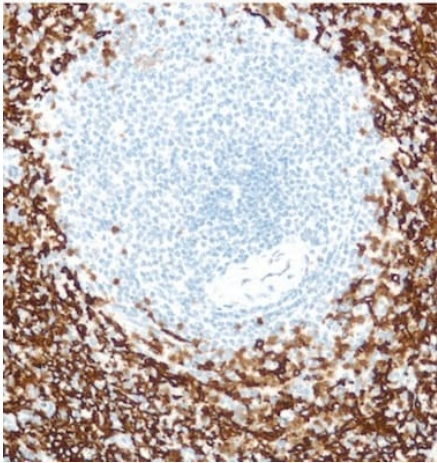
## Target

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<b>Function</b>	Receptor for the Fc region of IgG. Binds complexed or aggregated IgG and also monomeric IgG. Mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis.
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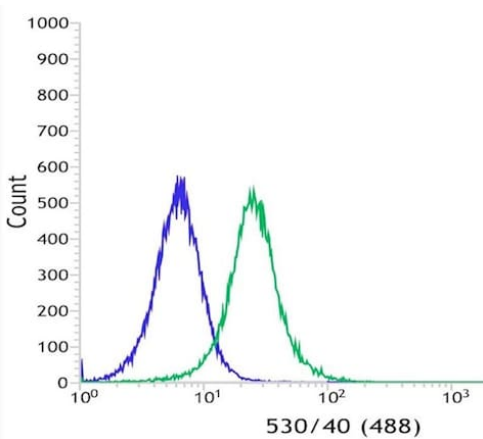
<b>Tissue specificity</b>	Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts.
<b>Sequence similarities</b>	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
<b>Post-translational modifications</b>	Glycosylated. Contains high mannose- and complex-type oligosaccharides. The soluble form is produced by a proteolytic cleavage.
<b>Cellular localization</b>	Cell membrane. Secreted. Exists also as a soluble receptor.

## Images



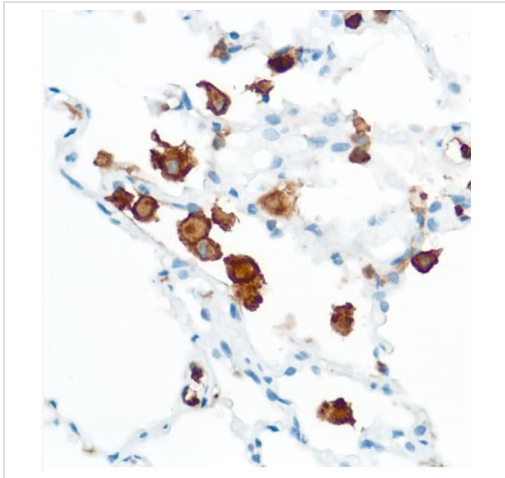
Immunohistochemical analysis of paraffin embedded human spleen tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



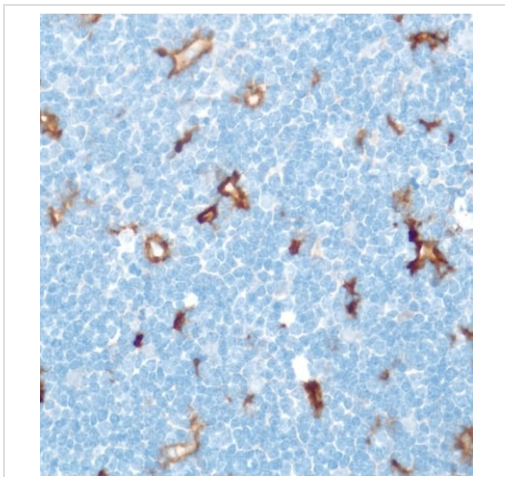
Flow cytometric analysis of Jurkat cells (Human T cell leukemia cell line from peripheral blood) labeling CD16 with ab183354 at a 1/100 dilution (green) compared to a negative control Rabbit IgG (blue).

Flow Cytometry - Anti-CD16 antibody [SP175] (ab183354)



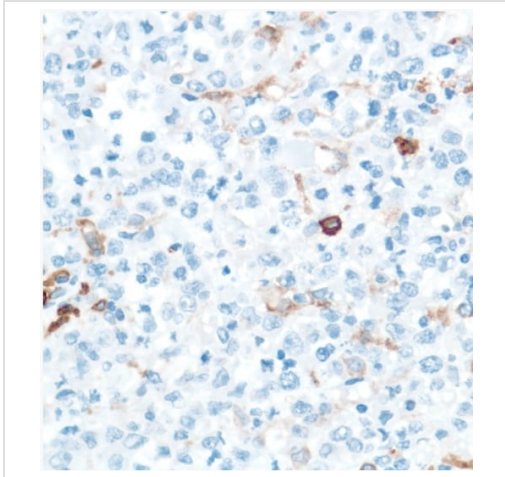
Immunohistochemical analysis of paraffin embedded human lung tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



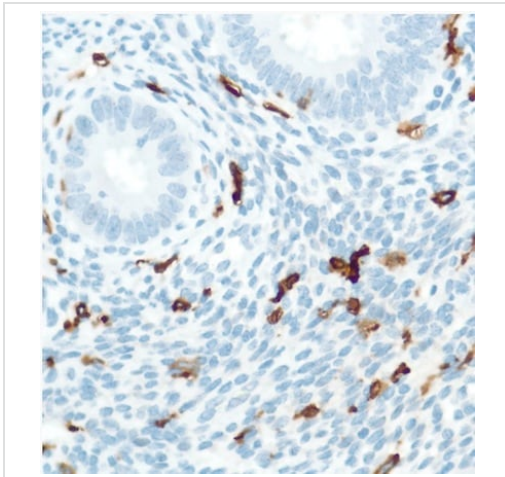
Immunohistochemical analysis of paraffin embedded human thymus tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



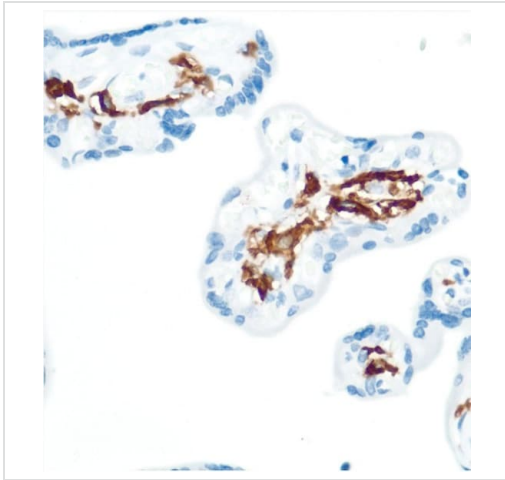
Immunohistochemical analysis of paraffin embedded human B cell lymphoma tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



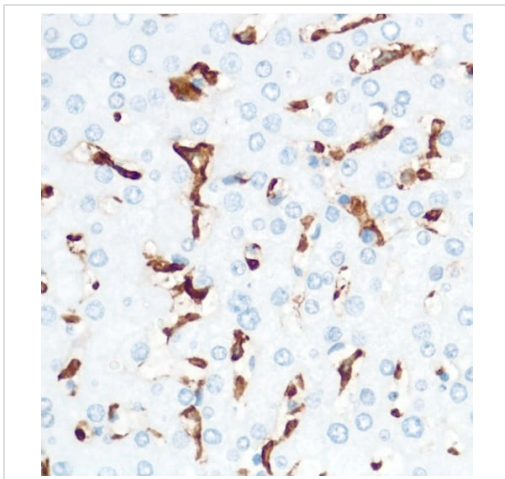
Immunohistochemical analysis of paraffin embedded human uterus tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



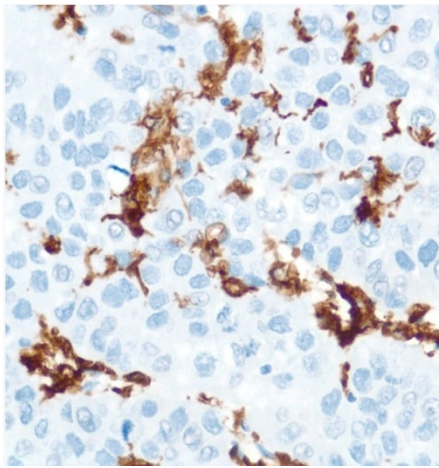
Immunohistochemical analysis of paraffin embedded human placenta tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



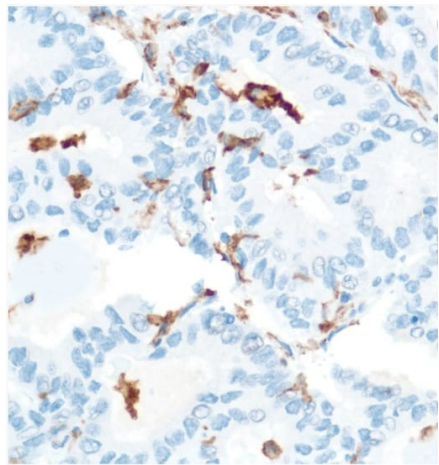
Immunohistochemical analysis of paraffin embedded human liver tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



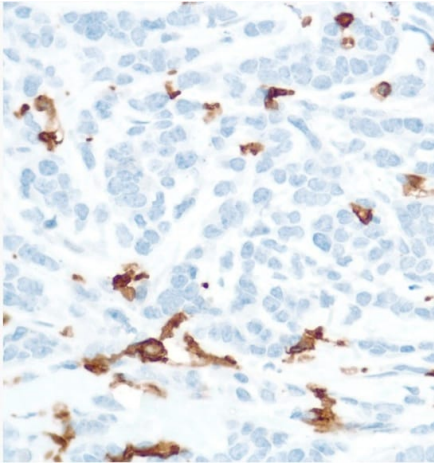
Immunohistochemical analysis of paraffin embedded human liver hepatocellular carcinoma tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



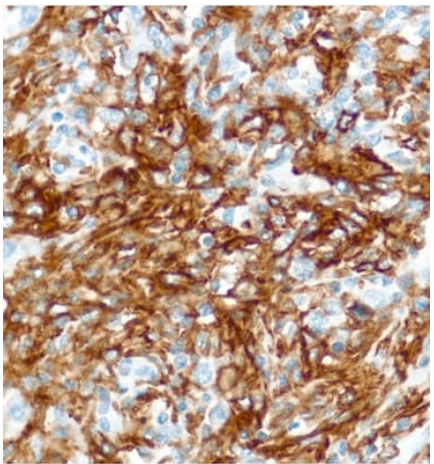
Immunohistochemical analysis of paraffin embedded human lung adenocarcinoma tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



Immunohistochemical analysis of paraffin embedded human pancreatic adenocarcinoma tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



Immunohistochemical analysis of paraffin embedded human HK lymphoma tissue labeling CD16 with ab183354 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 antibody [SP175] (ab183354)



Why choose a recombinant antibody?

<p><b>Research with confidence</b> Consistent and reproducible results</p>	<p><b>Long-term and scalable supply</b> Recombinant technology</p>
<p><b>Success from the first experiment</b> Confirmed specificity</p>	<p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-CD16 antibody [SP175] (ab183354)

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

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- 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
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