


## Product datasheet

# Anti-CD16 antibody [3G8] - Low endotoxin, Azide free ab176528

### Overview

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<b>Product name</b>	Anti-CD16 antibody [3G8] - Low endotoxin, Azide free
<b>Description</b>	Mouse monoclonal [3G8] to CD16 - Low endotoxin, Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IP, Functional Studies, IHC-Fr, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Non human primates 
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human CD16. Human neutrophils. Database link: <a href="#">P08637</a>
<b>General notes</b>	<p>Endotoxin level is less than 0.01 EU/μg of the protein, as determined by the LAL test.</p> <p>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.</p> <p>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&amp;As</p>

### 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: 7.40 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	ab176528 is purified from hybridoma culture supernatant by protein-A affinity chromatography. Purity: > 95% (by SDS-PAGE).
<b>Clonality</b>	Monoclonal

Clone number	3G8
Isotype	IgG1

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab176528 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
IP		Use at an assay dependent concentration.
Functional Studies		Use at an assay dependent concentration. In vitro Stimulation of NK cell proliferation, blocking of IgG binding and phagocytosis, inhibition of cytotoxic activity, in vivo NK cell depletion.
IHC-Fr		Use at an assay dependent concentration. Acetone fixation.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

<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.
<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.

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

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- 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.

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