

Product datasheet

Anti-CD16 antibody [3G8], prediluted (Allophycocyanin/Cy7 ®) ab197141

Overview

Product name	Anti-CD16 antibody [3G8], prediluted (Allophycocyanin/Cy7 ®)
Description	Mouse monoclonal [3G8] to CD16, prediluted (Allophycocyanin/Cy7 ®)
Host species	Mouse
Conjugation	Allophycocyanin/Cy7 ®. Ex: 650nm, Em: 774nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Non human primates ▲
Immunogen	Tissue, cells or virus corresponding to Human CD16. (Human neutrophils).
Positive control	Human blood cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	Preservative: 0.0975% Sodium azide Constituents: 0.2% BSA, 99% PBS
Purity	Size exclusion
Purification notes	Purified antibody is conjugated with tandem dye Allophycocyanin/Cy7 ® under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Clonality	Monoclonal
Clone number	3G8
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab197141** 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		Use 4µl for 10 ⁶ cells. (or 100 µl of whole blood).

Target

Function	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.
Tissue specificity	Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts.
Sequence similarities	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Post-translational modifications	Glycosylated. Contains high mannose- and complex-type oligosaccharides. The soluble form is produced by a proteolytic cleavage.
Cellular localization	Cell membrane. Secreted. Exists also as a soluble receptor.

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