

Product datasheet

Anti-CD16 antibody [3G8], prediluted (PerCP/Cy5.5®) ab157322

Overview

Product name	Anti-CD16 antibody [3G8], prediluted (PerCP/Cy5.5®)
Description	Mouse monoclonal [3G8] to CD16, prediluted (PerCP/Cy5.5®)
Host species	Mouse
Conjugation	PerCP/Cy5.5®. Ex: 482nm, Em: 690nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human, Non human primates
Immunogen	Human neutrophils.
General notes	Purified antibody is conjugated with tandem dye PerCP/Cy5.5® under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.1% Sodium azide Constituents: 99% PBS, 0.2% BSA
Purity	Size exclusion
Clonality	Monoclonal
Clone number	3G8
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab157322** 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
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Flow Cyt		Use 4µl for 10 ⁶ cells. (or 100 µl of whole blood).
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[ab157226](#) - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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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