TECHNICAL DATA SHEET

CyFlow™ IgG (Fab) PE-Cy7
Anti-Hu; Clone 4A11

REF **AC312387**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	IgG (Fab)
Alternative Names	—
Clone	4A11
Clonality	monoclonal
Format	PE-Cy7
Host / Isotype	Mouse / IgG2b
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Purified human IgG

Specificity

The mouse monoclonal antibody 4A11 recognizes Fab fragment of human immunoglobulin G (IgG).

Contact Information:

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

Immunoglobulin G (IgG) is a 150 kDa soluble protein that serves as a major effector molecule of the humoral immune response in man. Its concentration in blood plasma of healthy individuals is approximately 10 g/l, which accounts for about 75% of the total plasma immunoglobulins. IgG has the highest stability of blood immunoglobulins (T1/2 = 21 days) and is able of placental transfer. IgG is secreted by plasma cells at a comparably high rate as other immunoglobulins.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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