

TECHNICAL DATA SHEET

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

REF CL236141

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	IgG (Fab)
Alternative Names	—
Clone	4A11
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2b
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
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

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Western blot
- Enzyme-linked immunosorbent assay

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 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 ($T_{1/2}$ = 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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