

TECHNICAL DATA SHEET

CyFlow™ Beta2-MG PerCP-Cy5.5 Anti-Hu; Clone B2M-01

REF BF069369

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	β2-microglobulin
Alternative Names	—
Clone	B2M-01
Clonality	monoclonal
Format	PerCP-Cy5.5
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	Mouse Cow Dog Rabbit Chicken
Quantity	100 tests
Immunogen	Purified human β2-microglobulin

Specificity

The mouse monoclonal antibody B2M-01 recognizes β2-microglobulin associated with cell-surface MHC Class I molecules and other membrane antigens as well as with soluble β2-microglobulin. β2-

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microglobulin is a 12 kDa Ig like glycoprotein expressed on lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells and epithelial cells. It is absent on erythrocytes.

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 10⁶ 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

β2-microglobulin (β2M) non-covalently associates with the 44 kDa α chain to forms the HLA Class I antigen complex. Human β2-microglobulin associated with HLA Class I antigens is expressed on many types of cells including lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells, and epithelial cells. It is absent on erythrocytes.

References

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

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