

TECHNICAL DATA SHEET

CyFlow™ Beta2-MG Biotin Anti-Hu; Clone B2M-02

REF AX671930



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For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

| | |
|-----------------------------|---------------------------------|
| Antigen | β2-microglobulin |
| Alternative Names | — |
| Clone | B2M-02 |
| Clonality | monoclonal |
| Format | Biotin |
| Host / Isotype | Mouse / IgG1 |
| Species Reactivity | Human, Pig |
| Negative Species Reactivity | — |
| Quantity [Concentration] | 0.1 mg [1 mg/mL] |
| Immunogen | Purified human β2-microglobulin |

Specificity

The mouse monoclonal antibody B2M-02 recognizes β 2-microglobulin associated with cell-surface MHC Class I molecules and other membrane antigens as well as with soluble β 2-microglobulin. β 2-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 indirect immunofluorescence analysis by flow cytometry. Suggested working usage is 5 μ g/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investi

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH \approx 7.4, containing 0.09% (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

β 2-microglobulin (β 2M) non-covalently associates with the 44 kDa α chain to forms the HLA Class I antigen complex. Human β 2-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.

Warnings











Non-Hazardous Statement: This is not considered hazardous by the criteria in 29 CFR 1910.1200 or the General Classification guideline for preparations of the EU.

Safety Data Sheet Statement: Important information regarding the safe handling, transport, and disposal of this product is contained in the Safety Data Sheet (SDS). SDS are available at <http://www.sysmex-partec.com/services>, or at <https://us.sysmex-flowcytometry.com/> (U.S. customers only).

References

- Hilgert I, Horejsi V, Kristofova H: The use of murine monoclonal antibody B2M-01 for detection and purification of human beta 2-microglobulin. Folia Biol (Praha). 1984; 30(6):369-76. < PMID: 6394369 >
- Drbal K, Angelisova P, Hilgert I, Cerny J, Novak P, Horejsi V: A proteolytically truncated form of free CD18, the common chain of leukocyte integrins, as a novel marker of activated myeloid cells. Blood. 2001 Sep 1; 98(5):1561-6. < PMID: 11520808 >

Symbols

| | | | |
|---|-----------------------|---|-----------------------------------|
|  | Reference number |  | Contains sufficient for <n> tests |
|  | For research use only |  | Temperature limit |
|  | Batch code |  | Keep away from sunlight |
|  | Manufacturer |  | Consult accompanying documents |
|  | Use-by date |  | Unique device identifier |