

ARG53748 anti-beta 2 Microglobulin antibody [B2M-01] (PE)

Package: 100 µg
Store at: 4°C

Summary

| | |
|-----------------------------|--|
| Product Description | PE-conjugated Mouse Monoclonal antibody [B2M-01] recognizes beta 2 Microglobulin |
| Tested Reactivity | Hu |
| Species Does Not React With | Ms, Bov, Chk, Dog, Rb |
| Tested Application | FACS |
| Specificity | The clone B2M-01 reacts with beta2-microglobulin (beta2M) associated with cell-surface MHC Class I molecules and other membrane antigens as well as with soluble beta2-microglobulin. Beta2M is a 12 kDa Ig like glycoprotein expressed on lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells and epithelial cells. It is absent on erythrocytes._x000D_ |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | B2M-01 |
| Isotype | IgG2a |
| Target Name | beta 2 Microglobulin |
| Species | Human |
| Immunogen | Purified human beta2-microglobulin |
| Conjugation | PE |
| Alternate Names | Beta-2-microglobulin |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|-------------|
| | FACS | 1 - 2 µg/ml |

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

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|-------------------|---|
| Form | Liquid |
| Purification Note | The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography. |
| Buffer | PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA |
| Preservative | 15 mM Sodium azide |
| Stabilizer | 0.2% (w/v) high-grade protease free BSA |
| Concentration | 0.1 mg/ml |

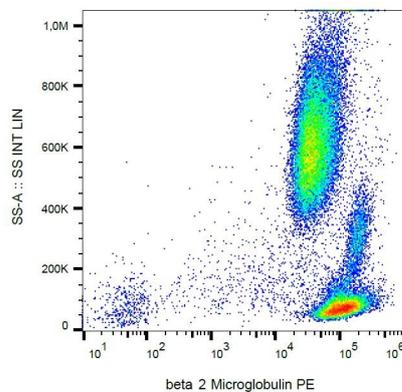
Storage instruction Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

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|----------------|--|
| Database links | GeneID: 567 Human Swiss-port # P61769 Human |
| Gene Symbol | B2M |
| Gene Full Name | beta-2-microglobulin |
| Background | Beta2-microglobulin non-covalently associates with the 44 kDa alpha chain to forms the HLA Class I antigen complex. Human beta2-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. |
| Function | Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system. [UniProt] |
| Research Area | Cancer antibody; Cell Biology and Cellular Response antibody |
| Calculated Mw | 14 kDa |
| PTM | Glycation of Ile-21 is observed in long-term hemodialysis patients. |

Images



ARG53748 anti-beta 2 Microglobulin antibody [B2M-01] (PE) FACS image

Flow Cytometry: Human peripheral blood stained with ARG53748 anti-beta 2 Microglobulin antibody [B2M-01] (PE).