Monoclonal Antibody to beta2-Microglobulin
Phycoerythrin (PE) conjugated (0.1 mg)

Clone: B2M-01
Isotype: Mouse IgG2a
Specificity: The antibody 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.

Regulatory Status: RUO
Immunogen: Purified human beta2-microglobulin
Species Reactivity: Human
Negative Species: Mouse, Bovine, Canine (Dog), Rabbit, Chicken
Preparation: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum
conditions. The conjugate is purified by size-exclusion chromatography.
Concentration: 0.1 mg/ml
Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution
containing 15mM sodium azide.
Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not
use after expiration date stamped on vial label.
Usage: The reagent is designed for Flow Cytometry analysis.
Suggested working dilution is 1 µg/ml. Indicated dilution is recommended starting
point for use of this product. Working concentrations should be determined by the
investigator.
Expiration: See vial label
Lot Number: See vial label
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.

References:
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