Monoclonal Antibody to beta2-Microglobulin
Horseradish Peroxidase (HRP) 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 horseradish peroxidase (HRP) of high specific activity and RZ=3.
Concentration: 1 mg/ml
Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 0.01% (w/v) thimerosal.
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 quantitative determination of soluble beta2-microglobulin/MHC Class I complexes. The reagent can also be used for detection of free beta2-microglobulin by Western blotting.
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:

For laboratory research only, not for drug, diagnostic or other use.
Unless indicated otherwise, all products are For Research Use Only and not for diagnostic or therapeutic use. Not for resale or transfer either as a stand-alone product or as a component of another product without written consent of EXBIO. EXBIO will not be held responsible for patent infringement or other violations that may occur with the use of our products. All orders are accepted subject to EXBIO’s term and conditions which are available at www.exbio.cz.