



## Beta-2 Microglobulin (Renal Failure & Tumor Marker) Antibody

Mouse Monoclonal Antibody [Clone SPM374]

| Catalog No      | Format  | Size   |
|-----------------|---|--------|
| 567-MSM1X-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 567-MSM1X-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 567-MSM1X-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

| Applications            | Tested Dillution    | Note |
|-------------------------|---------------------|------|
| Flow Cytometry (Flow)   | 1-2ug/million cells |      |
| Immunofluorescence (IF) | 1-3ug/ml            |      |

| Product Details        |   |
|------------------------|---|
| Clone                  | SPM374  |
| Gene Name              | B2M   |
| Immunogen              | Human PBL's from a T-cell acute lymphoblastic leukemia (T-ALL) patient                                |
| Host                   | Mouse   |
| Clonality              | Monoclonal  |
| Isotype / Light Chain  | IgG2a / Kappa   |
| Mol. Weight of Antigen | 12kDa   |
| Species Reactivity     | Human   |
| Positive Control       | Cervix Endometrial HL-60 or HeLa cells. Melanomas and Lymphoma. Carcinoma of Stomach Kidney or Colon. |

\*Optimal dilution for a specific application should be determined.

### Product Images for Beta-2 Microglobulin (Renal Failure & Tumor Marker) Antibody

#### Specificity & Comments

Recognizes a protein of 12kDa, identified as microglobulin. Beta-microglobulin non-covalently associates with the 44kDa chain to form the HLA Class I antigen complex. Human eta-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. This MAb is specific to human microglobulin and does not react with non-human primate cells. This antibody reacts with all cell types excluding erythrocytes. The detection of 2microglobulin in body fluids has been used as a tumor marker and for monitoring patients with HIV infection.

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

#### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

#### Research Areas

Cancer, Cardiovascular, Immuno Oncology, Immunology, Cytokine Signaling, Infectious Disease