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# Beta-2 Microglobulin (Renal Failure & Tumor Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM374] Catalog # AH12125

### **Product Information**

ApplicationIF, FCPrimary AccessionP61769Other Accession567, 534255ReactivityHumanHostMouseClonalityMonoclonal

**Isotype** Mouse / IgG2a, kappa

Clone Names SPM374
Calculated MW 13715

#### Additional Information

Gene ID 567

Other Names Beta-2-microglobulin, Beta-2-microglobulin form pI 5.3, B2M

**Application Note** IF~~1:50~200 FC~~1:10~50

**Storage** Store at 2 to 8°C.Antibody is stable for 24 months.

**Precautions**Beta-2 Microglobulin (Renal Failure & Tumor Marker) Antibody - With BSA

and Azide is for research use only and not for use in diagnostic or therapeutic

procedures.

#### **Protein Information**

Name B2M ( HGNC:914)

**Function** Component of the class I major histocompatibility complex (MHC). Involved

in the presentation of peptide antigens to the immune system. Exogenously applied M.tuberculosis EsxA or EsxA-EsxB (or EsxA expressed in host) binds B2M and decreases its export to the cell surface (total protein levels do not

change), probably leading to defects in class I antigen presentation

(PubMed:25356553).

**Cellular Location** Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137,

PubMed:7554280). {ECO:0000269 | PubMed:7554280, ECO:0000269 | Ref.6}

## **Background**

#### References

Sparrow RL. Human cell surface antigens defined by monoclonal antibodies. PhD thesis, University of Melbourne, 1983. | Betts RL, McKenzie IFC: Monoclonal antibodies to the major histocompatibility antigens. Monoclonal hybridoma antibodies: Techniques and applications. Edited by D. Hurrel. Uniscience series program. C.R.C. Press, Cleveland, OH: 1983, pp. 193-222 | Brodsky FM, Parham P. Barnstable CJ, Crumpton MJ, Bodmer WF: Monoclonal antibodies for analysis of the HLA system. Immunol Rev 47:3, (1979). | Leah J. Cosgrove et al.: HLA (Class I) antigens on platelets are involved in platelet function. Immunol. Cell Biol., 66 (1) 69-77 (1988) |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.