



Datasheet for ABIN6940412

anti-beta-2 Microglobulin antibody



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4 Images

Overview

Quantity:	100 µg
Target:	beta-2 Microglobulin (B2M)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This beta-2 Microglobulin antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Full length recombinant human B2M protein
Clone:	SPM617
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	beta-2 Microglobulin (B2M)
Alternative Name:	B2M (B2M Products)
Background:	Beta2 microglobulin is a 12KDa protein with a pI of 5.6. Serum beta2 microglobulin levels are a reflection of cell turnover. Levels rise with fever, inflammation, and infection. Increased serum levels are also seen in B-cell malignancies and in renal failure and may indicate a worse

Target Details

prognosis for patients with early-stage Hodgkin's lymphoma. In urine, increased levels are seen in proximal renal tubular disease as well as renal transplant rejection. Beta2 microglobulin levels can rise either because its rate of synthesis has increased (e.g. in AIDS, malignant monoclonal plasma cell dyscrasia, solid tumours and autoimmune disease) or because of impaired renal filtration (e.g. due to renal insufficiency, graft rejection or nephrotoxicity induced by post-transplantation immunosuppressive therapy).

Molecular Weight: 12kDa

Gene ID: 567

UniProt: [P61769](#)

Pathways: [TCR Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: Positive Control: HL-60 or HeLa cells. Melanomas and Lymphoma. Carcinoma of Stomach, Cervix, Endometrial, Kidney or Colon.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

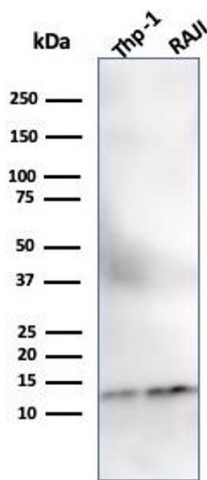
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

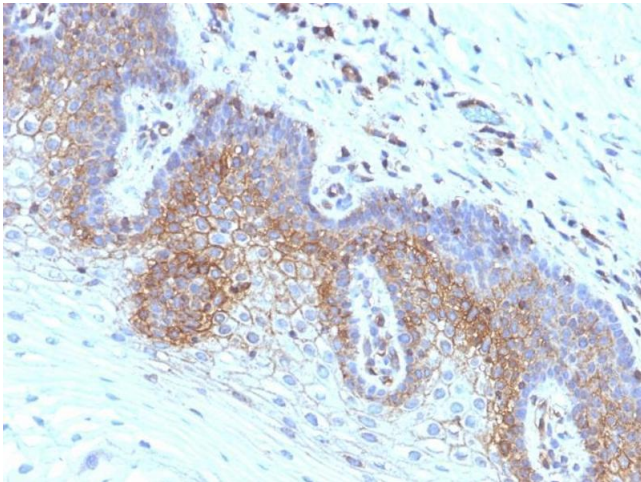
Storage: 4 °C,-80 °C

Storage Comment: 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.



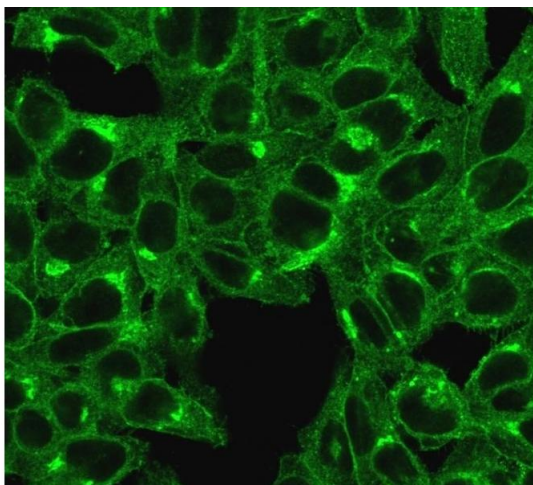
Western Blotting

Image 1. Western Blot Analysis of THP-1 and Raji Cell lysate using Beta-2-Microglobulin MAb (SPM617).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Beta-2-Microglobulin Monoclonal Antibody (SPM617)



Immunofluorescence

Image 3. Immunofluorescent staining of HeLa cells. Beta-2-Microglobulin MAb (SPM617), followed by goat anti-mouse IgG-CF488 (Green).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940412.