

## 36-1589: Monoclonal Antibody to Beta-2 Microglobulin (Renal Failure & Tumor Marker)(Clone : B2M/1118)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	B2M/1118
<b>Application :</b>	FACS,WB,IF,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	B2M
<b>Gene ID :</b>	567
<b>Uniprot ID :</b>	P61769
<b>Format :</b>	Purified
<b>Alternative Name :</b>	B2M,CDABP0092,HDCMA22P
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Full length recombinant human B2M protein

### Description

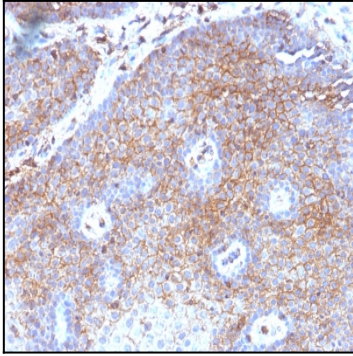
$\beta$ 2 microglobulin is a 12KDa protein with a pI of 5.6. Serum  $\beta$ 2 microglobulin levels are a reflection of cell turnover. Levels rise with fever, inflammation, and infection. Increased serum levels are also seen in B-cell malignancies and in renal failure and may indicate a worse prognosis 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.  $\beta$ 2 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).

### Product Info

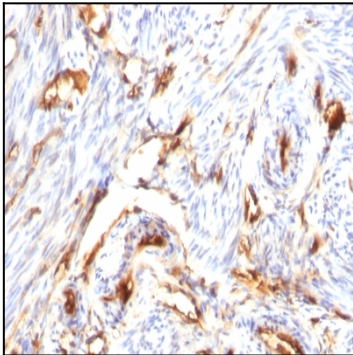
<b>Amount :</b>	100 $\mu$ g
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 $\mu$ g in 500 $\mu$ l PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

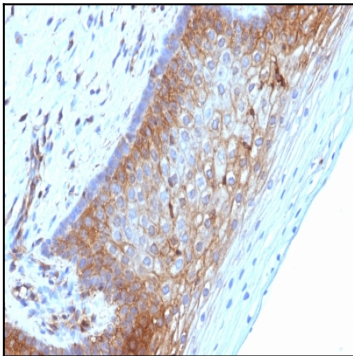
Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml);Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Beta-2-Microglobulin Monoclonal Antibody (B2M/1118)



Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Beta-2-Microglobulin Monoclonal Antibody (B2M/1118)



Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Beta-2-Microglobulin Monoclonal Antibody (B2M/1118)