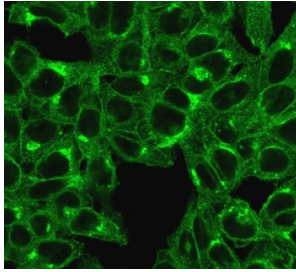


## B2M Antibody / Beta-2 Microglobulin [clone SPM617] (V2801)

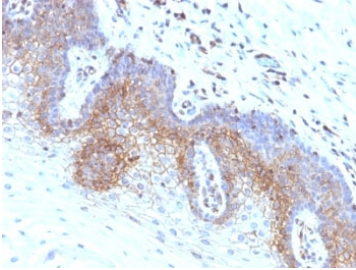
Catalog No.	Formulation	Size
V2801-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2801-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2801SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2801IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

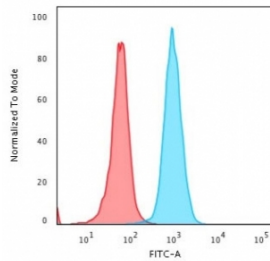
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	SPM617
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P61769
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
<b>Limitations</b>	This B2M antibody is available for research use only.



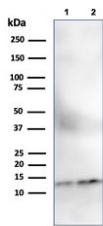
Immunofluorescent staining of permeabilized human HeLa cells with B2M antibody (clone SPM617).



IHC: Formalin-fixed, paraffin-embedded human cervical carcinoma stained with B2M antibody (clone SPM617).



Flow cytometry testing of PFA-fixed human HeLa cells with B2M antibody (clone SPM617); Red=isotype control, Blue= B2M antibody.



Western blot testing of human 1) ThP-1 and 2) Raji cell lysate with B2M antibody (clone SPM617). Expected molecular weight: 12-14 kDa.

## Description

Serum Beta-2 Microglobulin (B2M) 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.

## Application Notes

Optimal dilution of the B2M antibody should be determined by the researcher.

1. Staining of formalin/paraffin tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Full length recombinant human protein was used as the immunogen for the B2M antibody.

## Storage

Store the B2M antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).