

For Research Use Only

# Beta-2-Microglobulin Recombinant antibody

Catalog Number: 83683-8-RR



## Basic Information

<b>Catalog Number:</b> 83683-8-RR	<b>GenBank Accession Number:</b> BC032589	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 567	<b>CloneNo.:</b> 241308F6
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000166710	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P61769	
<b>Immunogen Catalog Number:</b> EG2284	<b>Full Name:</b> beta-2-microglobulin	
	<b>Calculated MW:</b> 119 aa, 14 kDa	
	<b>Observed MW:</b> 12 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> A431 cells, HeLa cells, Jurkat cells, Raji cells <b>IF/ICC :</b> Jurkat cells,

## Background Information

Beta-2-microglobulin (B2M) is a component of MHC class I molecules, which are present on the surface of nearly all nucleated cells. It can be found in body fluids under physiologic conditions due to shedding from cell surfaces or intracellular release. B2M has various biological functions, including antigen presentation. Investigations reveal that increased synthesis and release of B2M are present in several malignant diseases.

## Storage

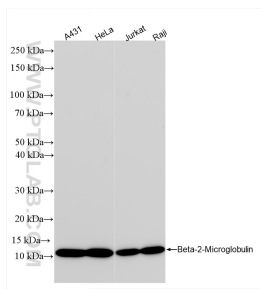
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

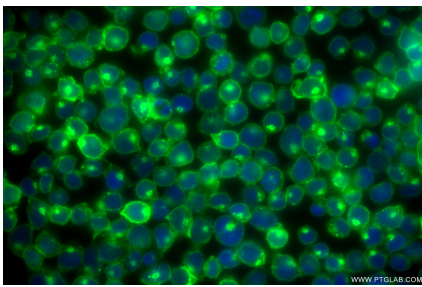
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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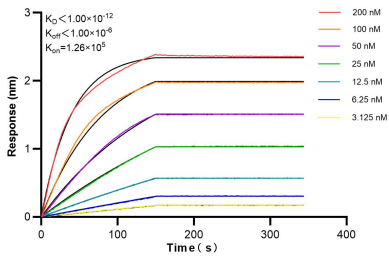
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83683-8-RR (Beta-2-Microglobulin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using Beta-2-Microglobulin antibody (83683-8-RR, Clone: 241308F6) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83683-8-RR against Human Beta-2-Microglobulin were performed. The affinity constant is below 1 pM.