

For Research Use Only

Beta-2-Microglobulin Recombinant monoclonal antibody

Catalog Number:85871-4-RR



Basic Information

Catalog Number: 85871-4-RR	GenBank Accession Number: NM_009735.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 12010	CloneNo.: 250172E4
Source: Rabbit	UNIPROT ID: P01887	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Full Name: beta-2 microglobulin	
Immunogen Catalog Number: EG3086	Calculated MW: 14 kDa	
	Observed MW: 12 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse, rat

Positive Controls:

WB : J774A.1 cells, RAW 264.7 cells, mouse lung tissue, mouse spleen tissue, rat lung tissue, rat spleen tissue

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

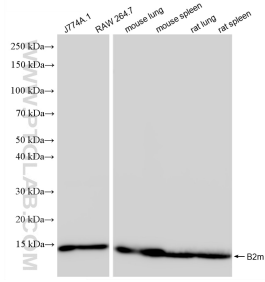
For technical support and original validation data for this product please contact:

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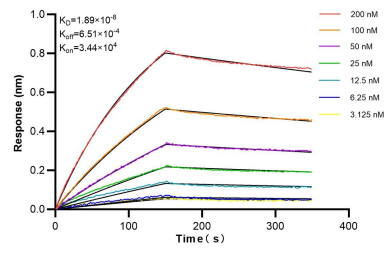
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85871-4-RR (Beta-2-Microglobulin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85871-4-RR against Mouse Beta-2-Microglobulin were performed. The affinity constant is 18.9 nM.