For Research Use Only

Beta-2-Microglobulin Recombinant monoclonal antibody

Catalog Number:85871-4-RR

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Basic Information

Catalog Number:
85871-4-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG3086

GenBank Accession Number:
NM_009735.3

GeneID (NCBI):
12010

UNIPROT ID:
P01887

Full Name:
beta-2 microglobulin

Calculated MW:
14 kDa

Observed MW:
12 kDa

Purification Method:
Protein A purification

CloneNo.:
250172E4

Recommended Dilutions:
WB: 1:1000-1:4000

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

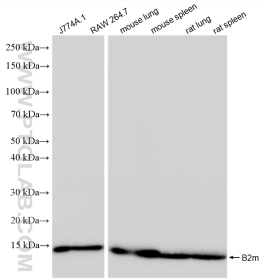
Beta-2-microglobulin (B2M) is a component of MHC class I molecules, which are present on the surface of nearly all nucleated cells. It can be found in body fluids under physiologic conditions due to shedding from cell surfaces or intracellular release. B2M has various biological functions, including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

Storage

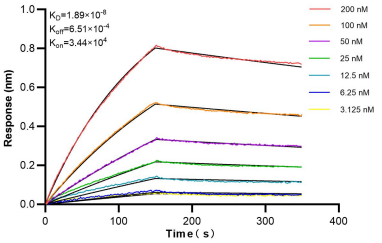
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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.