

For Research Use Only

Beta-2-Microglobulin Monoclonal antibody

Catalog Number: 68395-1-Ig



Basic Information

Catalog Number:

68395-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

EG31815

GenBank Accession Number:

BC032589

GeneID (NCBI):

567

ENSEMBL Gene ID:

ENSG00000166710

UNIPROT ID:

P61769

Full Name:

beta-2-microglobulin

Calculated MW:

119 aa, 14 kDa

Observed MW:

12-14 kDa

Purification Method:

Protein G purification

CloneNo.:

1H3F4

Recommended Dilutions:

IF/ICC: 1:1000-1:4000

FC: 1.00 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IF/ICC, FC, ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : NCCIT cells, A431 cells

FC : 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 as a result of 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. This antibody can be used for staining living cells.

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:

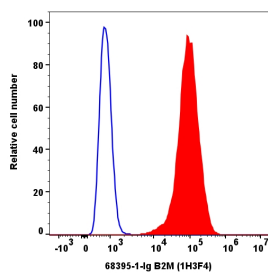
T: 4006900926

E: Proteintech-CN@ptglab.com

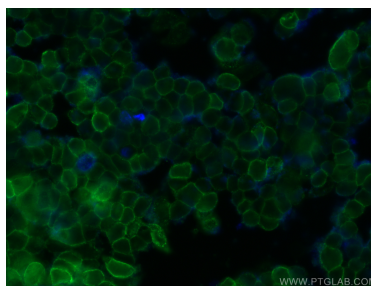
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Selected Validation Data



1x2*10⁶ Jurkat cells were surface stained with 1 μ g Beta-2-Microglobulin Monoclonal antibody (68395-1-Ig, Clone:1H3F4) and CoraLite488-conjugated Goat Anti-Mouse IgG(H+L) (Cat.NO. SA00013-1)(N/A), or 1 μ g KLH (66360-1-Ig, Clone: T1F8D3F10) (N/A). Cells were not fixed.



Immunofluorescent analysis of NCCIT cells (non-fixation) using Beta-2-Microglobulin antibody (68395-1-Ig, Clone: 1H3F4) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).