

Product Datasheet

beta 2 Microglobulin Antibody

Catalog No: CY5334

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB ICC IP



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Information

UniProt ID: P61769

All Names: B2MG; Beta 2 microglobulin; Beta 2 microglobulin; Beta 2 microglobulin precursor; Beta chain of mhc class 1 proteins; Beta chain of MHC class I molecules; Beta-2-microglobulin form pl 5.3; CDABP0092; Hdcma22p;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 14 kDa

Application

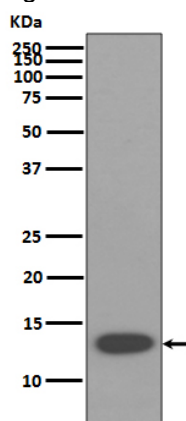
WB: 1:500~1:2000

ICC: 1:50~1:200

IP:1:30

Background

Major histocompatibility complex (MHC) class 1 molecules bind to antigens for presentation on the surface of cells. The proteasome is responsible for producing these antigens from the components of foreign pathogens. MHC class 1 molecules consist of an a heavy chain that contains three subdomains ($\alpha 1$, $\alpha 2$, $\alpha 3$), and a non-covalent associating light chain, known as β -2-Microglobulin. β -2-Microglobulin associates with the $\alpha 3$ subdomain of the a heavy chain and forms an immunoglobulin domain-like structure that mediates proper folding and expression of MHC class 1 molecules. The $\alpha 1$ and $\alpha 2$ domains of the a heavy chain form the peptide antigen-binding cleft.



Western blot analysis of beta 2 Microglobulin expression in U937 cell lysate.

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