

Beta 2 Microglobulin monoclonal antibody

Catalog: MB67043

Host: Mouse

Reactivity: Human

BackGround:

β 2-microglobulin (B2M) is a principal component of the Major Histocompatibility Complex (MHC) class I molecule, a ternary membrane protein complex that displays fragments derived from proteolyzed cytosolic proteins on the surface of cells for recognition by the surveillance immune system. As an integral component of the MHC class I complex, β 2-microglobulin plays a critically important role in immune system function. It has important relevance to cancer biology research; for example, research studies have shown that nearly one-third of diffuse large B cell lymphomas contain mutations that inactivate β 2-microglobulin gene function, thereby allowing tumor cells to escape immune detection. In addition, β 2-microglobulin has been identified as an amyloid pre-protein with collagen-binding affinity; its accumulation in osteoarthritic lesions of long-term dialysis patients is reportedly a contributing factor to the condition known as amyloid osteoarthropathy.

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 12 kDa

Swiss-Prot:

P61769

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000)

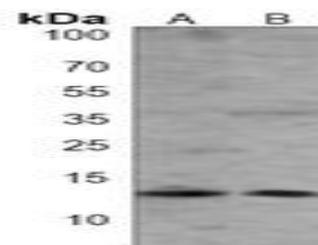
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of Beta 2 Microglobulin protein.

DATA:



Western blot analysis of Beta 2 Microglobulin expression in Jurkat (A), HeLa (B) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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