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Recombinant Rat B2M / Beta-2-microglobulin Protein (His tag)

产品货号: TP07110

第三版

别名:B2M

**描述:**B2M, also known as  $\beta$ 2-Microglobulin or CDABP0092, is a component of MHC class I molecules found expression in all nucleated cells (excludes red blood cells). The major function of MHC class I molecules is to display fragments of proteins from within the cell to T-cells and cells containing foreign proteins will be attacked. B2M( $\beta$ 2-Microglobulin) is a low molecular weight protein. It was demonstrated that B2M( $\beta$ 2-Microglobulin) was localized in the membranes of nucleated cells and was found to be associated with HL-A antigens. B2M( $\beta$ 2-Microglobulin) is present in free form in various body fluids and as a subunit of histocompatibility antigens on cell surfaces lateral to the  $\beta$ 3 chain. Unlike  $\beta$ 3,  $\beta$ 2 has no transmembrane region. Directly above  $\beta$ 2 lies the  $\beta$ 1 chain, which itself is lateral to the  $\beta$ 2. In the absence of B2M( $\beta$ 2 microglobulin), very limited amounts of MHC class I (classical and non-classical) molecules can be detected on the surface. In the absence of MHC class I, CD8 T cells, a subset of T cells involved in the development of acquired immunity cannot develop. Low levels of B2M( $\beta$ 2 microglobulin) can indicate non-progression of HIV.

**配方:**PBS

**分子量:**13 kDa

**序列:**Met 1-Met 119

**纯度:**> 95% by HPLC

**浓度:**

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.