

B2M/Beta-2 microglobulin Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P78240
Synonyms:	Beta-2-microglobulin; B2M; β -2-microglobulin
Species:	Mouse
Source:	HEK293
Accession:	P01887 (I21-M119)
Gene ID:	12010
Molecular Weight:	40-50 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Beta-2 microglobulin (B2M) protein is a crucial component of the class I major histocompatibility complex (MHC), playing a key role in presenting peptide antigens to the immune system. It forms a heterodimer with an alpha chain, together comprising the major histocompatibility complex class I molecules. Additionally, B2M can form a heterotrimer with MR1 and a metabolite antigen, further contributing to antigen presentation and immune recognition processes. By participating in these molecular interactions, B2M helps in the proper functioning of the immune system and the recognition of foreign substances.
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Caution: Product has not been fully validated for medical applications. For research use only.

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