

B2M Human, His

Description: B2M Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 120 amino acids (1-119 a.a.) and having a molecular mass of 14 kDa. The B2M is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-866

For research use only.

Synonyms: Beta-2-microglobulin, Beta chain of MHC class I molecules, B2M, Beta 2 Microglobulin.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MIQRTPKIQV YSRHPAENGK
SNFLNCYVSG FHPSDIEVDL LKNGERIEKV EHSDFSFSKD WSFYLLYYTE FTPTEKDEYA
CRVNHVTL SQ PKIVKWDRDM.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

B2M Human solution containing 20mM Tris pH-8, 2mM DTT, 0.1M NaCl & 20% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

B2M is a part of the MHC class I family that participates in the presentation of peptide antigens to the immune system. B2M is localized on the surface of numerous cells and abundant on the surface of white blood cells. High production or destruction of these cells causes B2M levels in the blood to raise. This increase is observed in people with cancers involving white blood cells, but it is mainly significant in people newly diagnosed with multiple myeloma. B2M Testing is done primarily when evaluating a person for certain kinds of cancer affecting white blood cells including chronic lymphocytic leukemia, non-Hodgkin's lymphoma, and multiple myeloma or kidney disease.

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