

B2M Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2771a**Specification**

B2M Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P61769](#)**B2M Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 567**Other Names**

Beta-2-microglobulin, Beta-2-microglobulin form pI 53, B2M

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2771a](/products/AP2771a) was selected from the N-term region of human B2M. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

B2M Antibody (N-term) Blocking Peptide - Protein Information**Name** B2M ([HGNC:914](#))**Function**

Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system. Exogenously applied M.tuberculosis EsxA or EsxA-EsxB (or EsxA expressed in host) binds B2M and decreases its export to the cell surface (total protein levels do not change), probably leading to defects in class I antigen presentation (PubMed:<http://www.uniprot.org/citations/25356553> target="_blank">25356553).

Cellular Location

Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137, PubMed:7554280). {ECO:0000269|PubMed:7554280, ECO:0000269|Ref.6}

B2M Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

B2M Antibody (N-term) Blocking Peptide - Images**B2M Antibody (N-term) Blocking Peptide - Background**

Beta-2-microglobulin is a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells.

B2M Antibody (N-term) Blocking Peptide - References

Sakata,M., J. Mol. Biol. 382 (5), 1242-1255 (2008)Huang,W.C., Clin. Cancer Res. 14 (17), 5341-5347 (2008)Gattoni-Celli,S., Cancer Res. 52 (5), 1201-1204 (1992)