

Anti-Beta-2 microglobulin [BBM.1] Bulk Size Ab00181-1.65-BT

Antibody with mutations to prevent heavy-chain homodimerization, leading to a "one-armed" half-antibody. This antibody can be recognised by anti-mIgG1 heavy chain secondary antibody, but maintains monovalent antigen binding. Developed in partnership with Ximbio (www.ximbio.com).

This is a "half-antibody", based on a mouse IgG1 with mutations to prevent heterodimerization of the heavy chains.

Isotype and Format: Mouse IgG1 Half-antibody, Half-mAb, Kappa

Clone Number: BBM.1

Alternative Name(s) of Target: B2M; Beta-2-microglobulin; CDABP0092; HDCMA22P; BBM1

UniProt Accession Number of Target Protein: P61769

Published Application(s): Depletion, WB, IF, IHC

Published Species Reactivity: Human

Immunogen: Molt 4, a human T cell line.

Specificity: Binds human beta-2-microglobulin, a component of MHC class I molecules, which are present on all nucleated cells (excludes red blood cells) and involved in the presentation of peptide antigens to the immune system.

Application Notes:

Antibody First Published in: Brodsky FM, Bodmer WF, Parham P. Characterization of a monoclonal anti-beta-2-microglobulin antibody and its use in the genetic and biochemical analysis of major histocompatibility antigens. Eur J Immunol. 1979 Jul;9(7):536-45. [PMID:91522](#)

Note on publication: Describes the generation of BBM.1 and characterization of its specific binding to beta-2-microglobulin.

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.