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

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 bet 2-microglobulin.

Product Form

Size: 100 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

20ºC.

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.