

Anti-beta-2 microglobulin [YTH 470.5] Bulk Size Ab00189-1.1-BT

Recombinant monoclonal antibody to beta-2 microglobulin. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma YTH 470.5.

Isotype and Format: Mouse IgG1, Kappa

Clone Number: YTH 470.5

Alternative Name(s) of Target: Beta 2-micro; B2BM; CDABP0092; HDCMA22P; YTH470; YTH-470

UniProt Accession Number of Target Protein: P61769

Published Application(s): Block, FC

Published Species Reactivity: Human

Immunogen: Human peripheral mononuclear cells enriched for T cells.

Specificity: Binds to human beta2-microglobulin, a component of MHC class I molecules, accommodated beside the $\alpha 3$ chain on the cell surface, directly below the $\alpha 1$ chain, with no transmembrane region, which are present on all nucleated cells (excludes red blood cells). Clinically abnormality is known as dialysis-related amyloidosis that the long-term exposure of hemodialysis causes aggregation into amyloid fibers that deposit in joint spaces. In multiple myeloma and lymphoma, it is observed that the level of beta-2 microglobulin is elevated.

Application Notes:

Antibody First Published in: Bindon CI, Hale G, Waldmann H. Importance of antigen specificity for complement-mediated lysis by monoclonal antibodies. Eur J Immunol. 1988 Oct;18(10):1507-14.

[PMID:2973413](#)

Note on publication: Describes the preparation of rat anti human beta2-microglobulin antibody and characterisation of the specificities by binding analysis, immunoprecipitation or Western blotting, furthermore specific functional tests such as complement-mediated lysis.

Product Form

Size: 1 mg 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.