

Anti-Beta2-Microglobulin [YTH470.5] Standard Size Ab00189-6.1

This reformatted rat antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rat IgG1, Kappa

Clone Number: YTH470.5

Alternative Name(s) of Target: B2M; Beta 2-micro; B2BM; β 2M; β 2-micro; β 2 β M; CDABP0092; HDCMA22P; YTH470; YTH-470

UniProt Accession Number of Target Protein: P61769

Published Application(s): activation, Blocking, Positive control, Sensitization, WB, FC, IF

Published Species Reactivity: Human

Immunogen: The original antibody was generated by fusion of the myeloma line Y3/Ag1.2.3 with spleen cells from a DA rat immunized with human cells.

Specificity: This antibody is specific for human β_2 -Microglobulin.

Application Notes: YTH470.5 was used for IF, Activation (via complement mediated cell lysis), and WB as part of the testing performed in its original article (Bindon et al., 1988; PMID: 2973413). This antibody was also used as a positive control for blocking, as measured by FC, to analyze integrin expression on the surface of primary cultures of human airway smooth muscle cells (Freyer et al., 2001; PMID: 11713098). Furthermore, it was used as a primary monoclonal antibody in the immunocytochemistry analysis — IF, specifically — of human neuronal stem cells (Lee et al., 2005; PMID: 15607744).

Antibody First Published in: Bindon et al. Importance of antigen specificity for complement-mediated lysis by monoclonal antibodies Eur J Immunol. 1988 Oct;18(10):1507-14. doi: 10.1002/eji.1830181006
[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: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.