



# Anti-B2M monoclonal antibody, clone YTH470.5 (CABT-48769RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This product recognises native beta 2 microglobulin which is a component of MHC class I molecules, which are present on all nucleated cells. Levels of beta 2 microglobulin can be used to assess renal function in kidney transplant recipients. Also known as B2M, it has been suggested that this protein can be used as a prognostic marker for HIV infection. Clone YTH470.5 has been reported to be weakly lytic in the presence of complement. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
<b>Specificity</b>	BETA 2 MICROGLOBULIN
<b>Immunogen</b>	Human lymphocytes
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Human
<b>Clone</b>	YTH470.5
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	FC
<b>Format</b>	Ig fraction - liquid
<b>Size</b>	200 tests
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend

microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">B2M beta-2-microglobulin [ Homo sapiens (human) ]</a>
Official Symbol	B2M
Synonyms	B2M; beta-2-microglobulin; beta chain of MHC class I molecules; beta-2-microglobin; BETA 2 MICROGLOBULIN;
Entrez Gene ID	<a href="#">567</a>
Protein Refseq	<a href="#">NP_004039</a>
UniProt ID	P61769
Chromosome Location	15q21.1
Pathway	Adaptive Immune System; Amyloids; Antigen Presentation: Folding, assembly and peptide loading of class I MHC; Antigen processing and presentation; Antigen processing-Cross presentation; Class I MHC mediated antigen processing & presentation; Cytokine Signaling in Immune system; DAP12 interactions;
Function	identical protein binding; protein binding;