

Human Beta-2-Microglobulin (b2M) CLIA Kit | b2M clia kit

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CATALOG # AAA188899	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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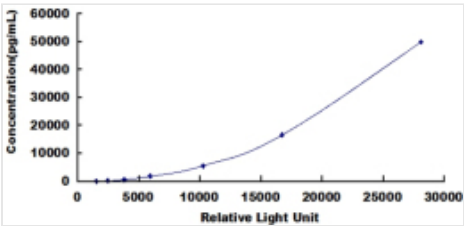
PRODUCT SYNONYMS

Beta-2-Microglobulin (b2M); Human Beta-2-Microglobulin (b2M) CLIA Kit; Beta-2-Microglobulin; BMG; B2MG; b2M clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Beta-2-Microglobulin (b2M). No significant cross-reactivity or interference between Beta-2-Microglobulin (b2M) and analogues was observed.
Sequence Length	119
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, urine and other biological fluids
Detection Range	68.6-50,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 24.7pg/mL
Applicable Applications for b2M clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Beta-2-Microglobulin (b2M) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Beta-2-Microglobulin (b2M) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Beta-2-Microglobulin (b2M). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Beta-2-Microglobulin (b2M). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Beta-2-Microglobulin (b2M) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	48428791
NCBI GeneID	567
UniProt Accession #	P61769
NCBI Official Full Name	Beta-2-microglobulin
NCBI Official Synonym Full Names	beta-2-microglobulin
NCBI Official Symbol	B2M
NCBI Official Synonym Symbols	IMD43
NCBI Protein Information	beta-2-microglobulin
UniProt Protein Name	Beta-2-microglobulin
UniProt Gene Name	B2M
UniProt Entry Name	B2MG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.