

## Human Beta-2-Microglobulin (b2M) ELISA Kit | b2M elisa kit

Anti-Beta-2-Microglobulin Antibody (Anti-b2M) ELISA Kit

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| CATALOG #<br><b>AAA189224</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

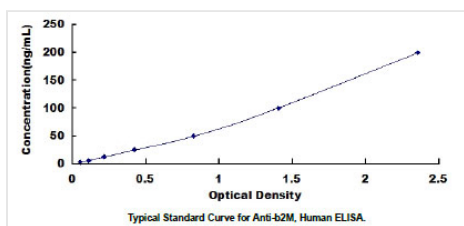
### PRODUCT SYNONYMS

Beta-2-Microglobulin (b2M); Anti-Beta-2-Microglobulin Antibody (Anti-b2M) ELISA Kit; BMG; B2MG; b2M elisa kit

### PRODUCT SPECIFICATIONS

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity                                | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity                               | This assay has high sensitivity and excellent specificity for detection of Anti-b2M. No significant cross-reactivity or interference between Anti-b2M and analogues was observed.                                                                                                                                                                                                                                                                                                          |
| Samples                                   | Serum, plasma and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Detection Range                           | 3.12-200ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity                               | < 1.19ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for b2M elisa kit | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Intra-assay Precision                     | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-b2M were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                 |
| Inter-assay Precision                     | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Anti-b2M were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                               |
| 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.<br>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)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Related Product Information for b2M elisa kit | <p>Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-b2M in human serum, plasma and other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with b2M. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-b2M will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Anti-b2M in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                               |
|----------------------------------|-------------------------------------------------------------------------------|
| NCBI GI #                        | 48428791                                                                      |
| NCBI GeneID                      | 567                                                                           |
| UniProt Accession #              | P61769; P01884; Q540F8; Q6IAT8; Q9UCK0; Q9UD48; Q9UDF4                        |
| Molecular Weight                 | 119                                                                           |
| NCBI Official Full Name          | Beta-2-microglobulin                                                          |
| NCBI Official Synonym Full Names | beta-2-microglobulin                                                          |
| NCBI Official Symbol             | B2M                                                                           |
| NCBI Protein Information         | beta-2-microglobulin; beta-2-microglobin; beta chain of MHC class I molecules |
| 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.