

## Rat alpha-2-macroglobulin ELISA Kit | A2M elisa kit

Rat alpha2 macroglobulin, alpha2 MG ELISA Kit

CATALOG #  
**AAA80162**

REACTIVITY  
**Rat**

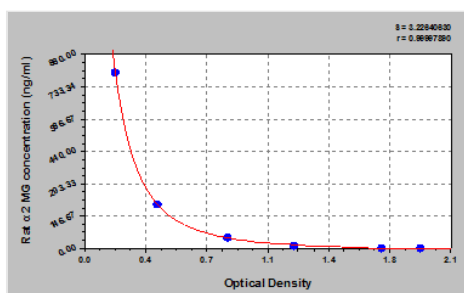
### PRODUCT SYNONYMS

alpha-2-macroglobulin; Rat alpha2 macroglobulin; alpha2 MG ELISA Kit; CPAMD5; DKFZp779B086; FWP007; S863-7; ; A2M elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of rat alpha2 MG. No significant cross-reactivity or interference between rat alpha2 MG and analogues was observed. |
| Sequence Length         | 1472                                                                                                                                                                                        |
| Samples                 | Serum, plasma                                                                                                                                                                               |
| Assay Type              | Quantitative Competitive                                                                                                                                                                    |
| Detection Range         | 3.125 ng/ml-800 ng/ml                                                                                                                                                                       |
| Sensitivity             | <3.125 ng/ml                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                            |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                     |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                           |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for A2M elisa kit

**Principle of the Assay:** This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with rat alpha2 MG. Standards and samples are pipetted into the wells with a Horseradish Peroxidase (HRP) conjugated antibody specific for rat alpha2 MG. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in opposite to the amount of rat alpha2 MG in samples. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 158138551                                                 |
| NCBI GeneID                      | 24153                                                     |
| NCBI Accession #                 | NP_036620.2                                               |
| NCBI GenBank Nucleotide #        | NM_012488.2                                               |
| UniProt Accession #              | P06238; Q4FZY3                                            |
| Molecular Weight                 | 163,785 Da                                                |
| NCBI Official Full Name          | alpha-2-macroglobulin                                     |
| NCBI Official Synonym Full Names | alpha-2-macroglobulin                                     |
| NCBI Official Symbol             | A2m                                                       |
| NCBI Official Synonym Symbols    | Mam; A2m1; A2maa; A2MAC1                                  |
| NCBI Protein Information         | alpha-2-macroglobulin; alpha-2-M; alpha-2-macroglobulin-P |
| UniProt Protein Name             | Alpha-2-macroglobulin                                     |
| UniProt Gene Name                | <b>A2m</b>                                                |
| UniProt Synonym Gene Names       | A2m1; Alpha-2-M                                           |
| UniProt Entry Name               | A2MG_RAT                                                  |

**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.

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Online datasheet: <https://stage.aaabiotech.com/a2m-rat-elisa-kits/alpha-2-macroglobulin/80162>