

## Rat High Mobility Group Protein B1, HMGB-1 ELISA Kit | HMGB-1 elisa kit

Rat High Mobility Group Protein B1, HMGB-1 ELISA Kit

CATALOG #  
**AAA41180**

REACTIVITY  
**Rat**

### PRODUCT SYNONYMS

High Mobility Group Protein B1; HMGB-1; Rat High Mobility Group Protein B1; HMGB-1 ELISA Kit; HMGB-1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Reactivity              | Rat                                                                      |
| Sequence Length         | 215                                                                      |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates |
| Assay Type              | Quantitative Sandwich                                                    |
| Detection Range         | 0.1ng/ml - 30ng/ml                                                       |
| Sensitivity             | 0.051ng/ml                                                               |
| Intra-Assay             | CV<8%                                                                    |
| Inter-Assay             | CV<10%                                                                   |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for HMGB-1 elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of Rat High Mobility Group Protein B1 (also known as HMGB-1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principles of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat HMGB-1 antibody. HMGB-1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat HMGB-1 Antibody is added and binds to HMGB-1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated HMGB-1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat HMGB-1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

|                               |                                |
|-------------------------------|--------------------------------|
| NCBI GI #                     | 126352708                      |
| NCBI GeneID                   | 100033873                      |
| NCBI Accession #              | NP_001075304.1                 |
| NCBI GenBank Nucleotide #     | NM_001081835.2                 |
| UniProt Accession #           | Q08IE6                         |
| Molecular Weight              | 24,894 Da                      |
| NCBI Official Full Name       | high mobility group protein B1 |
| NCBI Official Symbol          | HMGB1                          |
| NCBI Official Synonym Symbols | HMG-1                          |
| NCBI Protein Information      | high mobility group protein B1 |
| UniProt Protein Name          | High mobility group protein B1 |
| UniProt Gene Name             | <b>HMGB1</b>                   |
| UniProt Synonym Gene Names    | HMG1; HMG-1                    |

**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/rat-elisa-kits/high-mobility-group-protein-b1-hmgb-1/41180>