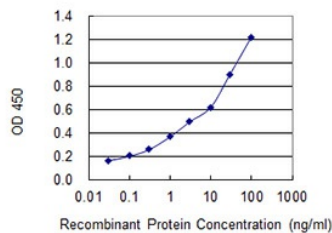


# HMGB1 (Human) Matched Antibody Pair

Catalog # H00003146-AP41

Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from 0.3 ng/ml to 100 ng/ml.

## Specification

|                                |                                                                                                                                                                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human HMGB1.                                                                                                                                                                        |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                     |
| <b>Quality Control Testing</b> | Standard curve using recombinant protein ( H00003146-P01 ) as an analyte.<br>Sandwich ELISA detection sensitivity ranging from 0.3 ng/ml to 100 ng/ml.                                                                                                                                    |
| <b>Supplied Product</b>        | Antibody pair set content:<br>1. Capture antibody: mouse monoclonal anti-HMGB1, IgG2a Kappa (100 ug)<br>2. Detection antibody: biotinylated mouse monoclonal anti-HMGB1, IgG Mix Kappa (50 ug)<br>*Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols. |
| <b>Storage Instruction</b>     | Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.                                                                                                        |

## Applications

- ELISA Pair (Recombinant protein)

[Protocol Download](#)

## Gene Info — HMGB1

|                    |                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">3146</a>                                                                                                                                                                                         |
| Gene Name          | HMGB1                                                                                                                                                                                                        |
| Gene Alias         | DKFZp686A04236, HMG1, HMG3, SBP-1                                                                                                                                                                            |
| Gene Description   | high-mobility group box 1                                                                                                                                                                                    |
| Omim ID            | <a href="#">163905</a>                                                                                                                                                                                       |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                    |
| Other Designations | Amphoterin OTTHUMP00000018199 OTTHUMP00000190860 Sulfoglucuronyl carbohydrate binding protein high mobility group box 1 high mobility group protein 1 high-mobility group (nonhistone chromosomal) protein 1 |

## Publication Reference

- [The Quantitative Trait Loci Mapping of Rice Plant and the Components of Its Extract Confirmed the Anti-Inflammatory and Platelet Aggregation Effects In Vitro and In Vivo.](#)

Jae-Ryoung Park, Rahmatullah Jan, Seul-Gi Park, Tri Handoyo, Gang-Seob Lee, Sopheap Yun, Yoon-Hee Jang, Xiao-Xuan Du, Taeho Lee, Yong-Sham Kwon, Doh Hoon Kim, Young-Mi Seok, Jong-Sup Bae, Kyung-Min Kim

Antioxidants 2021 Oct; 10(11):1691.

Application: Stimulation, Human, HUVEC cells

- [HMGB1 promotes ERK-mediated mitochondrial Drp1 phosphorylation for chemoresistance through RAGE in colorectal cancer.](#)

Huang CY, Chiang SF, Chen WT, Ke TW, Chen TW, You YS, Lin CY, Chao KSC, Huang CY.

Cell Death & Disease 2018 Sep; 9(10):1004.

Application: Quant, Mouse, Mouse serum

## Pathway

- [Base excision repair](#)

## Disease

- [Bone Marrow Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hematologic Neoplasms](#)
- [Puerperal Disorders](#)
- [Recurrence](#)
- [Sepsis](#)
- [Streptococcal Infections](#)
- [Systemic Inflammatory Response Syndrome](#)