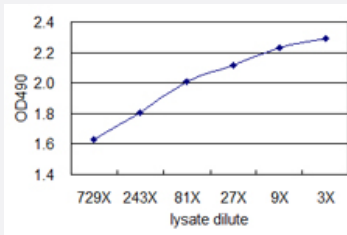


# HMGB2 (Human) Matched Antibody Pair

Catalog # H00003148-AP44

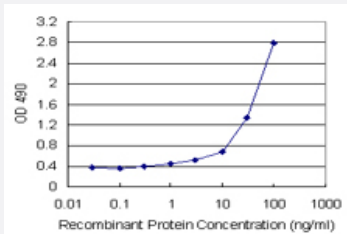
Size 1 Set

## Applications



### ELISA Pair (Transfected lysate)

Standard curve using 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the 293T overexpression lysate (non-denatured).



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 HMGB2.
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (96%)
<b>Quality Control Testing</b>	Standard curve using recombinant protein ( H00003148-P01 ) as an analyte. Sandwich ELISA detection sensitivity ranging from 0.3 ng/ml to 100 ng/ml.

**Supplied Product**

Antibody pair set content:

1. Capture antibody: mouse monoclonal anti-HMGB2 (100 ug)
2. Detection antibody: biotinylated mouse monoclonal anti-HMGB2, IgG2a Kappa (50 ug)

\*Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.

**Storage Instruction**

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](#)

- ELISA Pair (Transfected lysate)

Standard curve using 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the 293T overexpression lysate (non-denatured).

[Protocol Download](#)

## Gene Info — HMGB2

**Entrez GeneID**[3148](#)**Gene Name**

HMGB2

**Gene Alias**

HMG2

**Gene Description**

high-mobility group box 2

**Omim ID**[163906](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination. [provided by RefSeq]

**Other Designations**

high-mobility group (nonhistone chromosomal) protein 2

## Disease

- [Azoospermia](#)
- [Infertility](#)
- [Oligospermia](#)