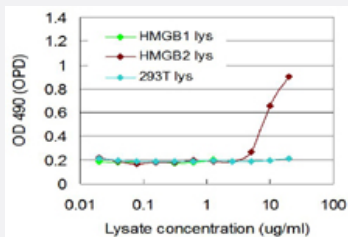


HMGB2 (Human) Matched Antibody Pair

Catalog # H00003148-AP41

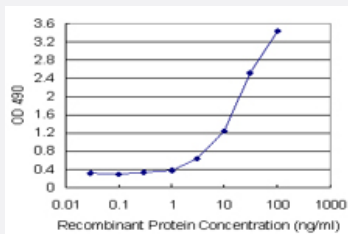
Size 1 Set

Applications



ELISA Pair (Transfected lysate)

HMGB2 293T overexpression lysate (non-denatured) was used as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 5 ug/ml to 20 ug/ml. HMGB1 293T overexpression lysate and 293T non-transfected lysate were used as a negative control.



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

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human HMGB2.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96%)
Quality Control Testing	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, IgG1 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)

HMGB2 293T overexpression lysate (non-denatured) was used as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 5 ug/ml to 20 ug/ml. HMGB1 293T overexpression lysate and 293T non-transfected lysate were used as a negative control.

[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](#)