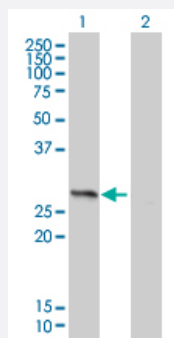


HMGB1 monoclonal antibody (M01), clone 1E6-E10

Catalog # H00003146-M01

Size 100 ug

Applications

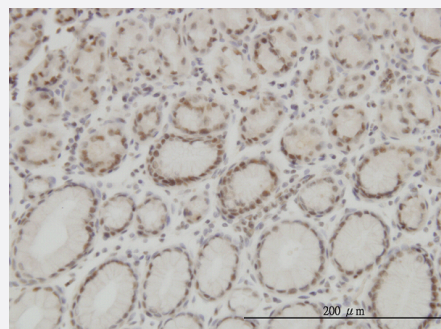


Western Blot (Transfected lysate)

Western Blot analysis of HMGB1 expression in transfected 293T cell line by HMGB1 monoclonal antibody (M01), clone 1E6-E10.

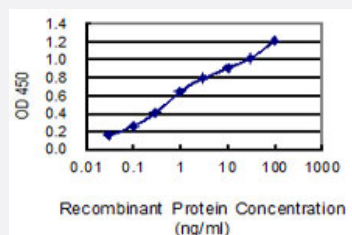
Lane 1: HMGB1 transfected lysate(25 KDa).

Lane 2: Non-transfected lysate.



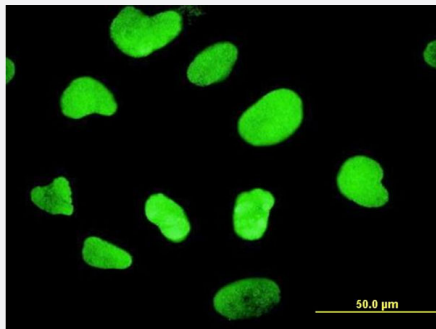
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to HMGB1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HMGB1 is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to HMGB1 on HeLa cell .
[antibody concentration 10 ug/ml]

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant HMGB1.
Immunogen	HMGB1 (AAH03378.1, 1 a.a. ~ 215 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGKFED MAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFLCSEYRPAKIGEHPLSIGDVAK KLGEMWNNTAADDKQPYEKKAALKKEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEEED EEDEEDEEEEEDEEDEDDEEEDDDDE
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of HMGB1 expression in transfected 293T cell line by HMGB1 monoclonal antibody (M01), clone 1E6-E10.

Lane 1: HMGB1 transfected lysate(25 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to HMGB1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]

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- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HMGB1 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to HMGB1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — HMGB1

Entrez GeneID [3146](#)

GeneBank Accession# [BC003378](#)

Protein Accession# [AAH03378.1](#)

Gene Name HMGB1

Gene Alias DKFZp686A04236, HMG1, HMG3, SBP-1

Gene Description high-mobility group box 1

Omim ID [163905](#)

Gene Ontology [Hyperlink](#)

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

- [JH-4 reduces HMGB1-mediated septic responses and improves survival rate in septic mice.](#)

Lee W, Yuseok O, Yang S, Lee BS, Lee JH, Park EK, Baek MC, Song GY, Bae JS.

Journal of Cellular Biochemistry 2019 Apr; 120(4):6277.

Application: C-ELISA, Human, Mouse, HUVECs, Mouse serum

- [Persicarin is anti-inflammatory mediator against HMGB1-induced inflammatory responses in HUVECs and in CLP-induced sepsis mice.](#)

Kim TH, Ku SK, Bae JS.

Journal of Cellular Physiology 2013 Apr; 228(4):696.

Application: C-ELISA, Human, HUVECs culture medium

- [Emodin-6-O- \$\beta\$ -D-glucoside inhibits HMGB1-induced inflammatory responses in vitro and in vivo.](#)

Lee W, Ku SK, Kim TH, Bae JS.

Food and Chemical Toxicology 2013 Feb; 52:97.

Application: ELISA, 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](#)