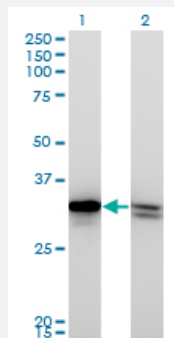


HMGB1 monoclonal antibody (M03), clone 1B11

Catalog # H00003146-M03

Size 100 ug

Applications

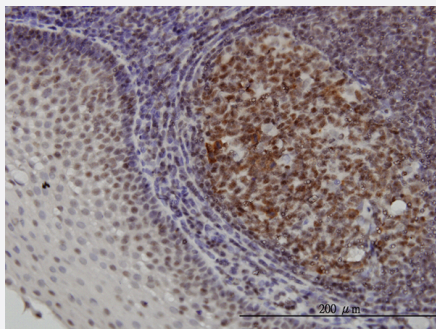


Western Blot (Transfected lysate)

Western Blot analysis of HMGB1 expression in transfected 293T cell line by HMGB1 monoclonal antibody (M03), clone 1B11.

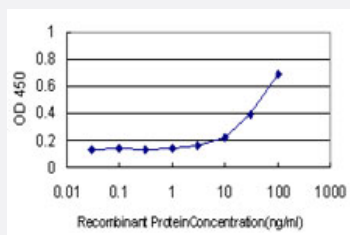
Lane 1: HMGB1 transfected lysate(25 KDa).

Lane 2: Non-transfected lysate.



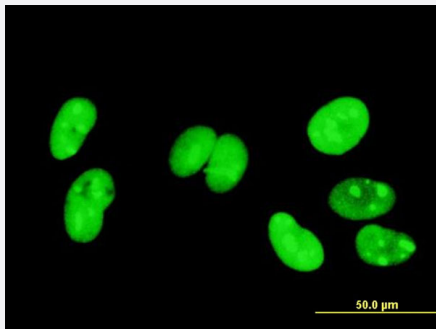
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



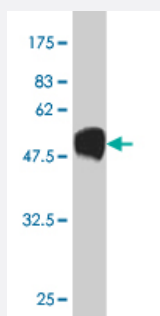
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HMGB1 is approximately 3ng/ml as a capture antibody.



Immunofluorescence

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



Western Blot detection against Immunogen (49.39 KDa) .

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	MGKGDPPKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGKFED MAKADKARYEREMKTYPPKGETKKKFKDPNAPKRPPSAFFLFCSEYRPKIKGEHPGLSIGDVAK KLGEMWNNTAADDKQPYEKKAALKKEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEEED EEDEEDEEEEEDEEDEDEEEDDDDE
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (49.39 KDa) .
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 (M03), clone 1B11.

Lane 1: HMGB1 transfected lysate(25 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HMGB1 is approximately 3ng/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
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GeneBank Accession#	BC003378
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Protein Accession#	AAH03378.1
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Gene Name	HMGB1
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Gene Alias	DKFZp686A04236, HMG1, HMG3, SBP-1
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Gene Description	high-mobility group box 1
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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

- [Anti-inflammatory effects of hyperoside in human endothelial cells and in mice.](#)

Ku SK, Zhou W, Lee W, Han MS, Na M, Bae JS.

Inflammation 2015 Apr; 38(2):784.

Application: ELISA, IF, Human, HUVEC

- [Failure of anti tumor-derived endothelial cell immunotherapy depends on augmentation of tumor hypoxia.](#)

Annalisa Pezzolo, Danilo Marimpietri, Lizzia Raffaghello, Claudia Cocco, Angela Pistorio, Claudio Gambini, Michele Cilli, Alberto Horenstein, Fabio Malavasi, Vito Pistoia.

Oncotarget 2014 Nov; 5(21):10368.

Application: IF, IHC-P, Human, Mouse, HTLA-230 cells, Orthotopic mouse model of human neuroblastoma

- [Proteomic analysis of human Epithelial Lining Fluid by microfluidics-based nanoLC-MS/MS: a feasibility study.](#)

Franciosi L, Govorukhina N, Fusetti F, Poolman B, Lodewijk ME, Timens W, Postma D, ten Hacken N, Bischoff R.

Electrophoresis 2013 Sep; 34(18):2683.

Application: IHC, Human, Lung

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](#)