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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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HMGB1 monoclonal antibody (M02), clone 1D5

Catalog # : H00003146-M02

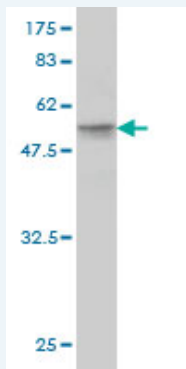
規格 : [100 ug]

List All

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:	MGKGDPPKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSER WKTMSAKEKGFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPK RPPSAFFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMMNNTAADDKQPYE KKAACLKEKYEKDIAAYRAKGPDAAKKGVVKAESKKKKEEEDEEEDDEE DEEEDEEEDDEEEDDDDE
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.

MSDS: [Download](#)

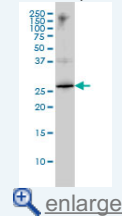
Datasheet: [Download](#)

Publication Reference

- [HMGB1 secretion during cervical carcinogenesis promotes the acquisition of a tolerogenic functionality by plasmacytoid dendritic cells.](#)
Demoulin S, Herfs M, Somja J, Roncarati P, Delvenne P, Hubert Plnt J Cancer. 2014 Dec 9. doi: 10.1002/ijc.29389.
- [High expression of high-mobility group box 1 in the blood and lungs is associated with the development of chronic obstructive pulmonary disease in smokers.](#)
Ko HK, Hsu WH, Hsieh CC, Lien TC, Lee TS, Kou YRRespirology. 2014 Feb;19(2):253-61. doi: 10.1111/resp.12209. Epub 2013 Dec 24.

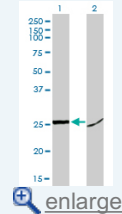
Application Image

Western Blot (Cell lysate)



[enlarge](#)

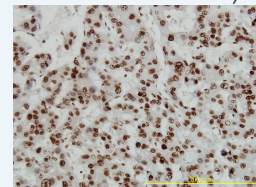
Western Blot (Transfected lysate)



[enlarge](#)

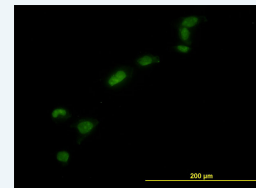
Western Blot (Recombinant protein)

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



[enlarge](#)

Immunofluorescence



[enlarge](#)

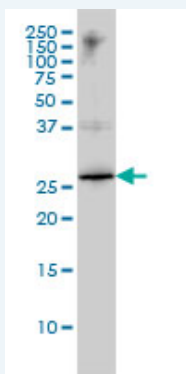
Sandwich ELISA (Recombinant protein)

ELISA

3. TLR4, IL-6, IL-18, MyD88 and HMGB1 are highly expressed in intracranial inflammatory lesions and the IgG4/IgG ratio correlates with TLR4 and IL-6.
Hirano H, Yoshioka T, Yunoue S, Fujio S, Yonezawa H, Niuro T, Habu M, Oyoshi T, Sugata S, Kamezawa T, Arimura H, Hanaya R, Tokimura H, Tokudome M, Arita K. *Neuropathology*. 2012 Mar 13. doi: 10.1111/j.1440-1789.2012.01310.x. [Epub ahead of print]
4. Human IgG antibody profiles differentiate between symptomatic patients with and without colorectal cancer.
Kijanka G, Hector S, Kay EW, Murray F, Cummins R, Murphy D, Macraith BD, Prehn JH, Kenny D. *Gut*. 2010 Jan;59(1):69-78.
5. Donor Toll-like receptor 4 contributes to ischemia and reperfusion injury following human kidney transplantation.
Kruger B, Krick S, Dhillon N, Lerner SM, Ames S, Bromberg JS, Lin M, Walsh L, Vella J, Fischereder M, Kramer BK, Colvin RB, Heeger PS, Murphy BT, Schroppe B. *Proc Natl Acad Sci U S A*. 2009 Mar 3;106(9):3390-5. Epub 2009 Feb 13.

Applications

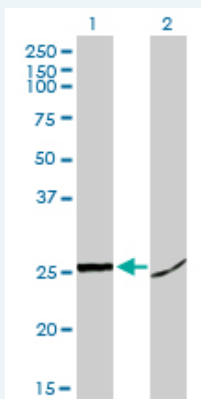
Western Blot (Cell lysate)



HMGB1 monoclonal antibody (M02), clone 1D5 Western Blot analysis of HMGB1 expression in K-562 (Cat # L009V1).

 [Protocol Download](#)

Western Blot (Transfected lysate)



Western Blot analysis of HMGB1 expression in transfected 293T cell line by HMGB1 monoclonal antibody (M02), clone 1D5.

Lane 1: HMGB1 transfected lysate(24.9 KDa).

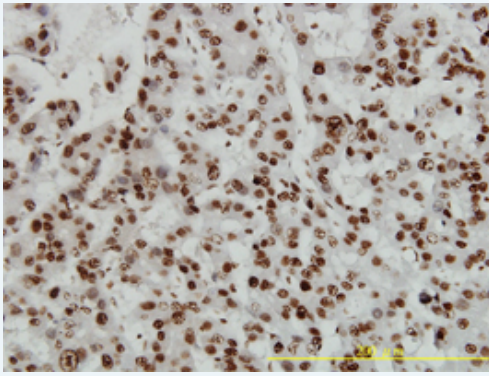
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

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

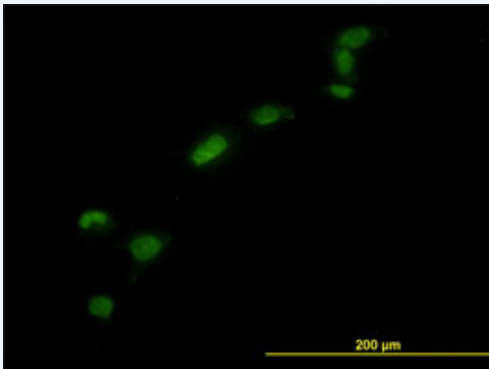


[enlarge this image](#)

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

[Protocol Download](#)

Immunofluorescence



[enlarge this image](#)

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

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Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [3146](#)

GeneBank [BC003378](#)

Accession#:

Protein [AAH03378.1](#)

Accession#:

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

Gene Pathway

[Base excision repair](#)

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