bs-20633R **[Primary Antibody]**

HMGB1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 100862258

Target: HMGB1

Immunogen: KLH conjugated synthetic peptide derived from mouse HMGB1: 61-150/215.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: High Mobility Group Box-1 (HMGB1) is a cytokine implicated in the pathogenesis of rheumatoid arthritis (RA) and other inflammatory diseases. The cholinergic anti-inflammatory pathway, a vagus nerve dependent mechanism, inhibits HMGB1 release in experimental disease models

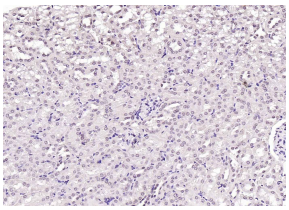
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)

Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Dog, Horse)

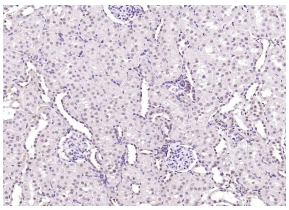
Predicted MW.: 25 kDa

Subcellular Location: Nucleus

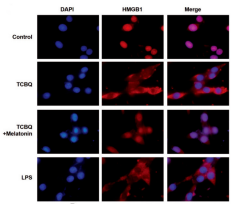
VALIDATION IMAGES



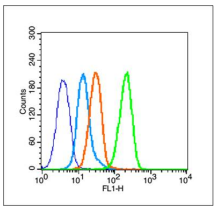
Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (HMGB1) Polyclonal Antibody, Unconjugated (bs-20633R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



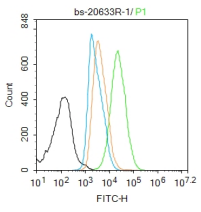
Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (HMGB1) Polyclonal Antibody, Unconjugated (bs-20633R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



This image was generously provided by Juanli Fu, at Southwest University in Chong Qing, China. 4% Paraformaldehyde fixed PC12 cells stained with Rabbit Anti- HMGB1 Polyclonal Antibody (bs-20633R) at 1:300 for 3 hours at 4°C, followed by Rhodamine-conjugated secondary antibody for an additional hour.



Blank control (blue line): MCF7 (fixed with 80% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody (green line): Rabbit Anti-HMGB1 antibody (bs-20633R),Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC,Dilution: 1μg /test.



Blank control:HL-60. Primary Antibody (green line): Rabbit Anti-HMGB1 antibody (bs-20633R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in

5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=19]** Bingchen Zhang. et al. Precise RNA Editing: Cascade Self-Uncloaking Dual-Prodrug Nanoassemblies Based on CRISPR/Cas13a for Pleiotropic Immunotherapy of PD-L1-Resistant Colorectal Cancer. ADV FUNCT MATER. 2023 Sep;:2305630 WB ;Mouse. 10.1002/adfm.202305630
- **[IF=10.103]** Jia Qi Liang. et al. miRNAs derived from milk small extracellular vesicles inhibit porcine epidemic diarrhea virus infection. ANTIVIR RES. 2023 Mar;:105579 WB ;Pig. 36907442
- **[IF=10]** Zhaohui Wang. et al. Turning Threat to Therapy: A Nanozyme-Patch in Surgical Bed for Convenient Tumor Vaccination by Sustained In Situ Catalysis. ADV HEALTHC MATER. 2024 Feb;:2304384 IF ;Mouse. 38301259
- **[IF=5.714]** Gao R et al. Quasi-ultrafine particles promote cell metastasis via HMGB1-mediated cancer cell adhesion. Environ Pollut. 2019 Oct 23:113390. WB ;Human. 31706768
- **[IF=3.3]** Xiaohua Zhang. et al. Pseudorabies Virus Infection Activates the NLRP3 and IFI16 Inflammasomes to Trigger Pyroptosis. VET MICROBIOL. 2023 Jun;:109826 WB ;Pig. 37421928