Anti-HMGB1 Antibody (Clone#5H3)

Catalog Number: *M00066-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-HMGB1 Antibody (Clone#5H3)
Gene Name	HMGB1
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Species Reactivity	human, mouse, rat, monkey
Tested Application	WB, IHC, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HMGB1, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	protein G purified.
Observed MW	25 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Reference

Anti-HMGB1 Antibody (Clone#5H3)被引用在3文献中。

Selected Validation Data

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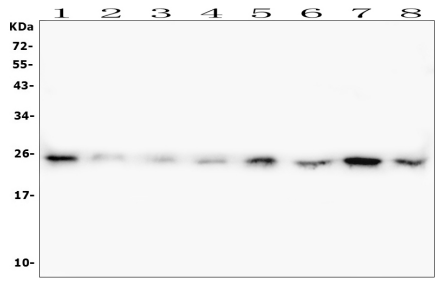
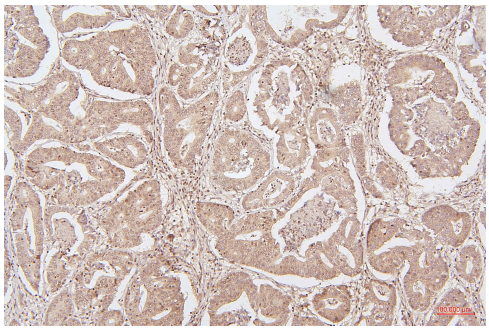
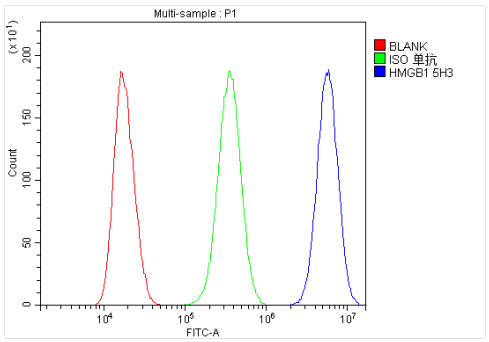


Western blot analysis of HMGB1 using anti-HMGB1 antibody (M00066-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HepG2 whole cell lysates,
Lane 2: human CCRF-CEM whole cell lysates,
Lane 3: monkey COS-7 whole cell lysates,
Lane 4: human SW620 whole cell lysates,
Lane 5: human THP-1 whole cell lysates,
Lane 6: rat PC-12 whole cell lysates,
Lane 7: rat RH35 whole cell lysates,
Lane 8: mouse NIH/3T3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-HMGB1 antigen affinity purified monoclonal antibody (M00066-2) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for HMGB1 at approximately 25 kDa. The expected band size for HMGB1 is at 25 kDa.



IHC analysis of HMGB1 using anti-HMGB1 antibody (M00066-2). HMGB1 was detected in a paraffin-embedded section of human intestinal cancer tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was incubated with mouse anti-HMGB1 Antibody (M00066-2) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB (Catalog # AR1027) as the chromogen.



Flow Cytometry analysis of SiHa cells using anti-HMGB1 antibody (M00066-2).
Overlay histogram showing SiHa cells stained with M00066-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-HMGB1 Antibody (M00066-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126) was used as secondary antibody at 1:100

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dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.