

# HMGB1 Monoclonal Antibody (HAP46.5)

Product Details	
Size	100 µL
Species Reactivity	Dog, Chicken, Human, Mouse, Rat
Published Species	Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	HAP46.5
Conjugate	Unconjugated
Immunogen	Recombinant, full length, human HMGB1 protein.
Form	Liquid
Concentration	1.8 mg/mL
Purification	purified
Storage buffer	0.01M PBS
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2117462

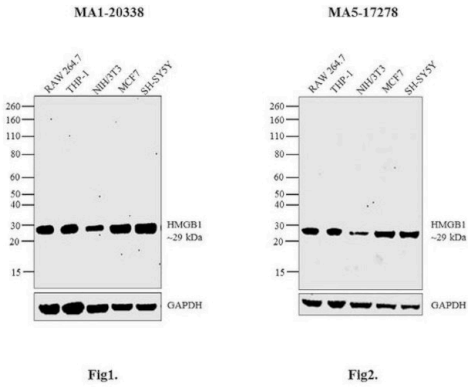
Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-1 µg/mL	1 Publication
ELISA (ELISA)	Assay-dependent	-

## Product Specific Information

Recommended positive controls: MCF7.

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For HMGB1 Monoclonal Antibody (HAP46.5)

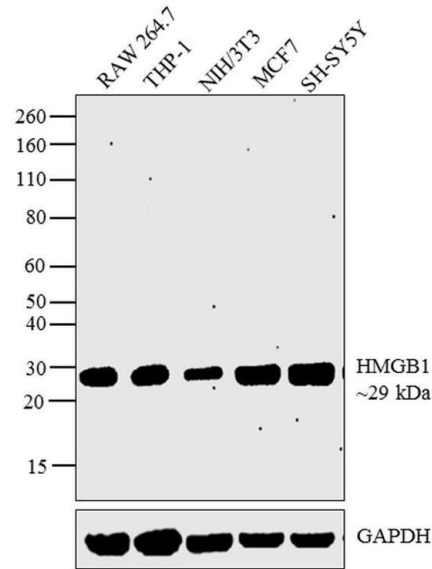


HMGB1 Antibody (MA1-20338)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Western blot of HMGB1 using Anti-HMGB1 Monoclonal Antibody (Product # MA1-20338), tested in parallel with HMGB1 Monoclonal Antibody (Product # MA5-17278), shows similar expression of HMGB1 in the cell lines tested. {IAV}

HMGB1 Antibody (MA1-20338) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of RAW 264.7 (Lane 1), THP-1 (Lane 2), NIH/3T3 (Lane 3), MCF7 (Lane 4) and SH-SY5Y (Lane 5). The blot was probed with Anti-HMGB1 Monoclonal Antibody (Product # MA1-20338, 1 µg/ml) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/ml, 1:4000 dilution). A 29 kDa band corresponding to HMGB1 was observed across the cell lines tested.



Western Blot (1)

Clinical science (London, England : 1979)	Year 2020
Greater high-mobility group box 1 in male compared with female spontaneously hypertensive rats worsens renal ischemia-reperfusion injury.	Species Rat
"MA1-20338 was used in Western Blotting to test the hypothesis that males have greater increases in the DAMP high-mobility group box 1 (HMGB1), worsening injury compared with females."	Dilution 1:1000
Authors: Mohamed R,Rafikova O,O'Connor PM,Sullivan JC	

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