HMGB1 Recombinant Rabbit Monoclonal Antibody (SA39-03)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	SA39-03
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human HMGB1 aa 151-200
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809261

Applications	Tested Dilution	Publications
Western Blot (WB)	1:20,000-1:50,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:5,000	-
Immunocytochemistry (ICC/IF)	1:500	-
Flow Cytometry (Flow)	1:50	-
ChIP assay (ChIP)	2.5 µg/10^6 cells	-

Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For HMGB1 Recombinant Rabbit Monoclonal Antibody (SA39-03)

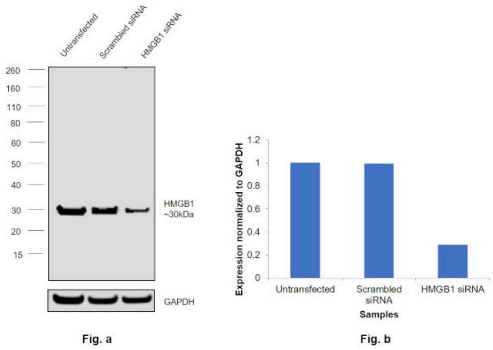
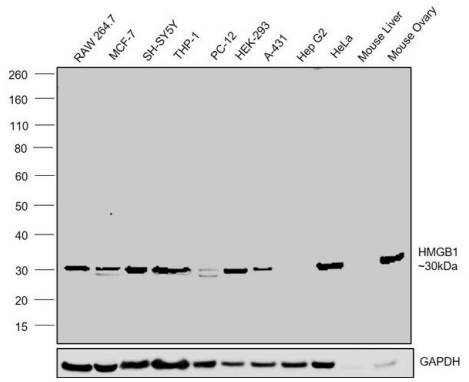


Fig. a Fig. b

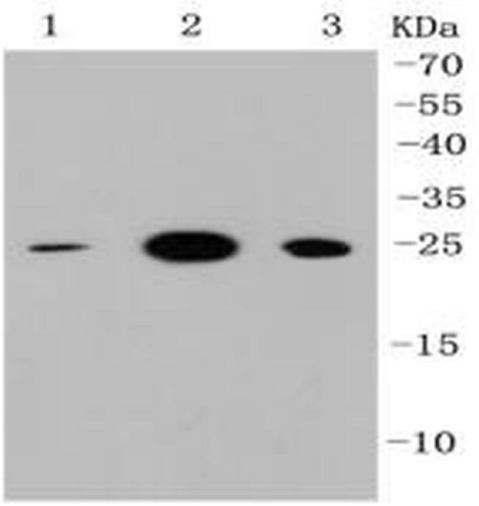
HMGB1 Antibody (MA5-31967)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. MCF7 cells were transfected with HMGB1 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-HMGB1 Recombinant Rabbit Monoclonal Antibody (SA39-03) (Product # MA5-31967). {KD}



HMGB1 Antibody (MA5-31967) in WB

Western blot was performed using Anti-HMGB1 Recombinant Rabbit Monoclonal Antibody (SA39-03) (Product # MA5-31967) and a ~30kDa band corresponding to HMGB1 was observed across cell lines and tissues tested . Whole cell extracts (30 µg lysate) of RAW 264.7 (Lane 1), MCF7 (Lane 2), SH-SY5Y (Lane 3), THP-1 (Lane 4), PC-12 (Lane 5), HEK-293 (Lane 6), A-431 (Lane 7), Hep G2 (Lane 8), HeLa (Lane 9), Mouse Liver (Lane 10), Mouse Ovary (Lane 11) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036,1: 4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



HMGB1 Antibody (MA5-31967) in WB

Western blot analysis of HMGB1 in different lysates using a Monoclonal antibody (Product #MA5-31967) at a dilution of 1:1,000. Positive control: Lane 1: MCF-7, Lane 2: PC12, Lane 3: F9.

View more figures on thermofisher.com

1 Reference

Western Blot (1)

PloS one

Non-thermal plasma modulates cellular markers associated with immunogenicity in a model of latent HIV-1 infection.

"MA5-31967 was used in Western Blot to represent early progress toward an effective NTP-based ex vivo immunotherapy to resolve the dysfunctions of the immune system that enable HIV-1 persistence in PLWH."

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Year
2021

Species
Human