

Product datasheet for **TA337171**

HMG1 (HMGB1) Mouse Monoclonal Antibody [Clone ID: 19N12A1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	19N12A1
Applications:	FC, Simple Western, WB
Recommended Dilution:	Western Blot: 1 - 3 ug/mL, Simple Western: 1:100, Flow Cytometry
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Full-length recombinant human HMGB1 was used as the immunogen. full length recombinant (inhouse)
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	high mobility group box 1
Database Link:	NP_002119 Entrez Gene 15289 Mouse Entrez Gene 3146 Human P09429



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Background:

HMGB1 (high mobility group protein B1) belongs to the HMGB family and contains two HMG box DNA-binding domains. It is a highly conserved, ubiquitous protein present in the nuclei and cytoplasm of nearly all cell types, and is a necessary and sufficient mediator of inflammation during sterile and infection-associated responses. HMGB1 also act as DNA nuclear binding protein that has recently been shown to be an early trigger of sterile inflammation in animal models of trauma-hemorrhage via the activation of the Toll-like receptor 4 (TLR4) and the receptor for the advanced glycation endproducts (RAGE). It is reported that the level of HMGB1 is elevated during sterile tissue injury, infection, lethal endotoxemia or sepsis, collagen-induced arthritis, and ischemia-reperfusion induced tissue injury.

Synonyms:

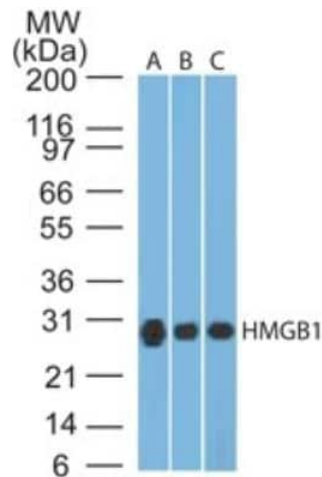
HMGB1; HMG3; SBP-1

Protein Families:

Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways:

Base excision repair

Product images:

Western Blot: HMGB1/HMG-1 Antibody (19N12A1) TA337171 - Analysis using HMGB1 antibody. A) Full-length human HMGB1 protein, B) human HeLa cell lysate and C) mouse NIH 3T3 cell lysate were probed with HMGB1 antibody at 2 ug/mL. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Simple Western: HMGB1/HMG-1 Antibody (19N12A1) TA337171 - Image shows a specific band for HMGB1 in 1.0 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.