

## Product datasheet for TA337171

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

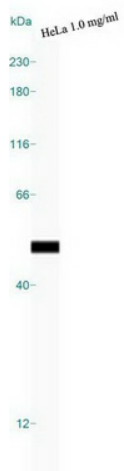
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	19N12A1
Applications:	WB
Recommend Dilution:	WB: 1-3ug/ml, Simple Western 1:100
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:	0.5 mg/ml
Purification:	Protein G purified
Gene Name:	high mobility group box 1
Database Link:	<a href="#">NP_002119 Entrez Gene 15289 Mouse</a> <a href="#">Entrez Gene 3146 Human</a>
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:	HMG1; HMG3; SBP-1
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Base excision repair

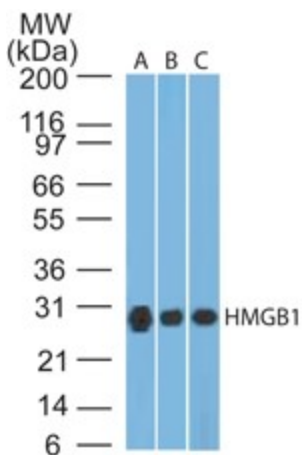


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Product images:



Simple Western: HMGB1 Antibody (19N12A1) TA337171 - Simple Western lane view shows a specific band detected for HMGB1 in HeLa lysate. This experiment was performed under reducing conditions using the Wes or Sally Sue separation system 12-230kDa (or 66-



Western Blot: HMGB1 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