Anti-HMGB1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M016244

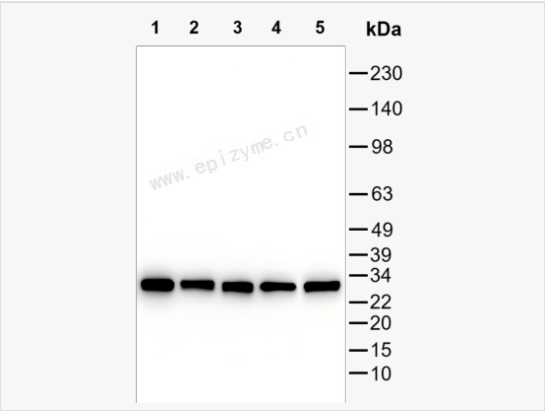
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	18T97N79
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant full length protein corresponding to Human HMGB1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-HMGB1 Mouse mAb [18T97N79] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Amphoterin; Chromosomal protein; nonhistone; HMG1; DKFZp686A04236; High mobility group 1; High mobility group box 1; High mobility group protein 1; High mobility group protein B1; high-mobility group (nonhistone chromosomal) protein 1; HMG-1; HMG1; HMG3; HMGB 1; HMGB1.
Calculated MW	Calculated MW: 25 kDa; Observed MW: 25 kDa
Uniprot ID	P09429
Gene ID	3146
Background	This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2015]
Cellular Location	Nucleus; Chromosome; Cytoplasm; Secreted; Cell membrane; Endosome; ER-Golgi intermediate compartment; Endoplasmic reticulum.
Tissue Location	Ubiquitous. Expressed in platelets.

Validation Images



Western Blot - Anti-HMGB1 Mouse mAb [18T97N79]
All lanes: M016244 at 1:2,000 dilution
Lane 1: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 2: MCF-7 (Human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 3: 293T (Human embryonic kidney cell) whole cell lysates
Lane 4: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 5: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution
Lysates/proteins at 10 µg per lane.
Predicted band size: 25 kDa
Observed band size: 25 kDa
Developed using the ECL technique (Cat. No. SQ201).