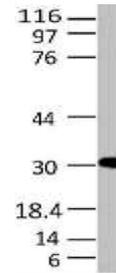


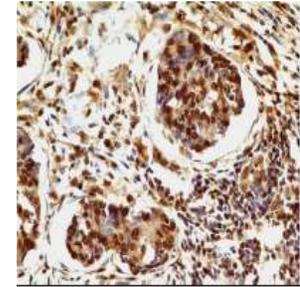
## Anti-HMGB1 Monoclonal Antibody (Clone: ABM24D3)

|                            |   |
|----------------------------|---|
| <b>CATALOG NO:</b>         | A1534-50  |
| <b>ALTERNATIVE NAMES:</b>  | HMGB1, HMG1   |
| <b>IMMUNOGEN:</b>          | A partial length recombinant HMGB1 protein (amino acids 1- 200) was used as the immunogen   |
| <b>AMOUNT:</b>             | 50 µg   |
| <b>CLONALITY:</b>          | Monoclonal  |
| <b>CLONE:</b>              | AMB24D3   |
| <b>ISOTYPE:</b>            | Mouse IgG1, Kappa   |
| <b>SPECIES REACTIVITY:</b> | Human   |
| <b>FORM:</b>               | Liquid  |
| <b>FORMULATION:</b>        | 0.5mg/ml in Supplied in PBS containing 0.05% BSA and 0.05% Sodium azide.  |
| <b>STORAGE CONDITIONS:</b> | Store at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles   |
| <b>PURIFICATION:</b>       | Protein G Chromatography  |
| <b>DESCRIPTION:</b>        | HMGB1 (High-mobility group protein B1) is a 25 kDa non-histone chromatin protein, secreted by immune cells through leaderless secretory pathway. HMGB1 supports transcription and also interacts with nucleosomes to loosen packed DNA and remodel the chromatin. The presence of HMGB1 in the nucleus depends on posttranslational modifications. When the protein is not acetylated, it stays in the nucleus, but hyperacetylation on lysine residues causes it to translocate into the cytosol. HMGB1 has the ability to bend DNA in order to facilitate binding of other proteins to the DNA. HMGB1 has one important role in V(D)J recombination where act as a cofactor of the RAG complex. HMGB1 stimulates a plethora of cellular responses like inflammation, attracting inflammatory cells, recruiting stem cells and promoting their proliferation. HMGB1 is highly expressed in human kidney, tonsils, adipose tissue, adrenal cortex and amniotic fluid. |
| <b>APPLICATION</b>         | WB: 2-4 µg/ml; FACS: 0.5µg/10 <sup>6</sup> cells; IHC: 1µg/ml   |

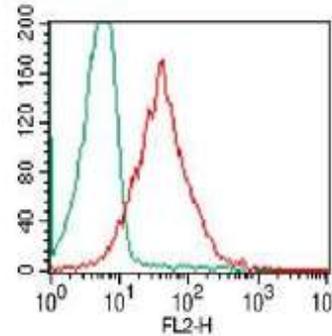
**Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.**



Western Blot analysis of HMGB1 with 2µg/ml of **A1534** on HepG2 cell lysate



IHC analysis of HMGB1 in adenocarcinoma of stomach using **A1534** at 1µg/ml



FACS analysis of HMGB1 in human PBMC using **A1534** at 0.5µg/10<sup>6</sup> cells. Green represents Isotype control, Red represents anti-HMGB1 antibody. Goat Anti-mouse PE conjugate was used as secondary antibody

### RELATED PRODUCTS

- Human CellExp™ HMGB1 /HMG1, Human Recombinant (**Cat. No. 7240-10, -50**)
- TLR4 Polyclonal Antibody (**Cat. No. 3251-100**)
- Anti-TLR4 Polyclonal Antibody (**Cat. No. 3253-30T, -100**)
- sCD14, Human CellExp™, Human Recombinant (**Cat. No. 7122-10, -50**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**