

## HMGB1 (AB2455) mouse mAb

W0100

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human; Mouse; Rat;

#### Applications

- WB; IF; ELISA

#### MW

- 25 kDa (calculated)
- 24 kDa (observed)

#### Isotype

- IgG1, kappa

### Recommended Dilution Ratios

#### Application

WB; IF; ELISA

#### Dilution

WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL.  
Please optimize the concentration based on your specific assay requirements.

### Storage

#### Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

#### Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

### Basic Information

**Clonality** Monoclonal

**Clone Number** AB2455

**Immunogen** A synthetic peptide corresponding to the amino acid region 100 - 200 of the human HMGB1 protein.

**Specificity** This antibody detects endogenous levels of HMGB1 protein.

**Purification** Affinity purification Protein A

**Concentration** Product concentration may vary by batch. Please refer to the product COA for details.

### Target Information

**Gene name** HMGB1

**Protein Name** HMGB1

| Database Link | Organism | Swiss Prot. | Gene ID |
|---------------|----------|-------------|---------|
|               | Human    | P09429      | 3146    |

**Background** high mobility group box 1 (HMGB1) Homo sapiens 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],