

## Anti-HMGB1 Antibody [Clone B1511]

**Catalog Number** LDG0038YA

**Package** 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Overview

#### Description

High-mobility group protein B1 (HMGB1) is also known as high-mobility group protein 1 (HMG-1) and amphoterin. HMGB1 is a non-histone nuclear protein with a dual function. In the nucleus, HMGB1 is a DNA binding protein that associates with chromatin and can bend DNA. Binds preferentially single-stranded DNA. Involved in V(D)J recombination by acting as a cofactor of the RAG complex. Acts by stimulating cleavage and RAG protein binding at the 23 bp spacer of conserved recombination signal sequences (RSS). Outside the cell, HMGB1 displays cytokine activity and can promote inflammation, serving as a mediator in models of shock and arthritis.

#### Product Note

Recommended dilution factor:

ELISA: 1:5000-20000

WB: 1:1000-10000

Note: Working dilution for specific application should be determined by the investigator to obtain the best conditions.

### Specifications

#### Host

Mouse

#### Isotype

IgM

#### Immunogen

HMGB1

#### Clonality

Monoclonal

#### Clone Name

clone B1511

#### Reactivity

Human

**Application**

ELISA, WB, IFA, FACS

**Concentration**

0.5 mg/mL

**Specificity**

Recognizes HMGB1 protein and do not cross-react with HMGB2.

**Conjugation**

Unconjugated

**Storage Buffer**

Phosphate Buffered Saline, pH 7.4.

**Form**

Liquid

**Instruction****Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at 2-8°C for long term storage.

**Stability & Storage**

This product is stable after storage at:

- 2-8°C for 6 months under sterile conditions from date of receipt.

Briefly centrifuge vials before opening.

**Disclaimer :** For Research Use or Further Manufacturing Only.