

## Anti-HMGB1 Antibody [Clone B115]

**Catalog Number** LDG0035YA

**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 to 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

IgG2b

#### Immunogen

HMGB1

#### Clonality

Monoclonal

#### Clone Name

clone B115

#### Reactivity

Human

**Application**

ELISA, WB, IFA, FACS

**Concentration**

1 mg/mL

**Specificity**

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

**Conjugation**

Unconjugated

**Storage Buffer**

Phosphate Buffered Saline containing 0.03% ProClin 300, pH 7.4.

**Form**

Liquid

**Instruction****Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

**Stability & Storage**

This product is stable after storage at:




- 2-8°C for 2 weeks under sterile conditions from date of receipt.
- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles.

Suggestion: Divide antibody into several vials.

Keep only vials for usage at 2-8°C.

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

**Tainan Headquarter** +886-6-2536677 [bd@leadgene.com.tw](mailto:bd@leadgene.com.tw)**Innovation & Research Center** +886-2-27065528**CLD Center** +886-6-2536677