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	**Clonality**
Mouse	Monoclonal
Isotype	**Clone Name**
IgM	clone B1511
Immunogen	**Reactivity**
HMGB1	Human

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Application

ELISA, WB, IFA, FACS

Conjugation

Unconjugated

Concentration

0.5 mg/mL

Storage Buffer

Phosphate Buffered Saline, pH 7.4.

Specificity

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

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.