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Product Information

MemDX™ Antibody Discovery - Mouse HMGB1 (1-215) Membrane Protein, Partial, -His tag

Cat. No.: **MP0209F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Mouse HMGB1 (1-215). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Mouse

Target Protein
HMGB1

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 26.8 kDa. The protein migrates as 33 kDa and 35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Met 1 - Glu 215 (Accession # P63158-1).

Product Description

Application
SDS-PAGE

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form
LYOPH

Reconstitution
Please see Certificate of Analysis for specific instructions.

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Endotoxin

<1.0 EU/μg by the LAL method

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

HMGB1

Full Name

high mobility group box 1

Introduction

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.

Alternative Names

p3; SBP; p30; Hmg1; amph; HMG-1; SBP-1; high mobility group protein B1; amphoterin; high mobility group protein 1

Gene ID

15289

UniProt ID

P63158

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