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Product Information

Recombinant Anti-Human hmgb1 Antibody scFv Fragment

Cat. No.: **MOM-18379-S(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody scFv Fragment is bind to Human HMGB1, expressed in E. coli

Antigen Description

DNA binding proteins that associates with chromatin and has the ability to 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). Heparin-binding protein that has a role in the extension of neurite-type cytoplasmic processes in developing cells.

Specific Activity

Tested positive against native antigen.

Target

HMGB1

Immunogen

Full length native protein (purified) (Pig).

Source

Mouse

Species Reactivity

Human

Type

scFv

Expression Host

E. coli

Purity

>95.0%. Determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

4°C. For long term storage, aliquot and store at -20°C. Repeated thawing and freezing must be avoided.

ANTIGEN GENE INFOMATION

Gene Name

HMGB1 high mobility group box 1 [Homo sapiens]

Official Symbol

HMGB1

Synonyms

HMGB1; high mobility group box 1; high mobility group (nonhistone chromosomal) protein 1 , high mobility group box 1 , HMG1; high mobility group protein B1; Amphoterin; DKFZp686A04236; high mobility group protein 1; HMG3; SBP 1; Sulfoglucuronyl carbohydrate binding protein; HMG-1; high-mobility group box 1; high-mobility group (nonhistone chromosomal) protein 1; HMG1; SBP-1

Gene ID

3146

mRNA Refseq

NM_002128

Protein Refseq

NP_002119

MIM

163905

UniProt ID

P09429

Chromosome Location

13q12

Pathway

Activated TLR4 signalling, organism-specific biosystem; Activation of DNA fragmentation factor, organism-specific biosystem; Advanced glycosylation endproduct receptor signaling, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem;

Function

DNA binding; DNA binding, bending; DNA binding, bending; RAGE receptor binding; calcium-dependent protein kinase regulator activity; chemoattractant activity; cytokine activity; cytokine activity; damaged DNA binding; double-stranded DNA binding; protein binding; protein kinase activator activity; repressing transcription factor binding; sequence-specific DNA binding transcription factor activity; single-stranded DNA binding; transcription factor binding;

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