

MAA301Bo21

Monoclonal Antibody to Heat Shock 70kDa Protein 1B (HSPA1B)

Organism Species: *Bos taurus*; Bovine (Cattle)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

[PRODUCT INFORMATION]

Immunogen: HSPA1B, Bovine

Clonality: Monoclonal

Clone number: G7

Host: Mouse

Immunoglobulin Type: IgG

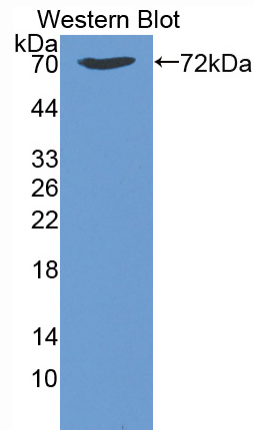
Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 500µg/mL

UOM: 200µg

9th Edition (Revised in Jul, 2013)



Sample: Recombinant HSPA1B, Bovine

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant HSPA1B (Met1~Asp641) expressed in *E.coli*.

Accession No.: RPA301Bo01

Sequence: The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHHSGSEF-MAKNTAIGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPS
YVAFTDTERL IGDAAKNQVA LNPQNTVFDA KRLIGRKFGD PVVQSDMKHW PFRVINDGDK
PKVQVSYKGE TKAFYP EEISSMVLTKMKEI AEAYLGHPVT NAVITVPAYF NDSQRQATKD
AGVIAGLNVL RIINEPTAAA IAYGLDRTGK GERNVLIFDL GGGTFDVSIL TIDDGIFEVK
ATAGDTHLGG EDFDNRLVNH FVEEFKRKHK KDISQNKRAV RRLRTACERA KRTLSSSTQA
SLEIDSLFEG IDFYTSITRA RFEELCSDLF RSTLEPVEKA LRDAKLDKAQ IHDLVLVGG S
TRIPKVQKLL QDFFNGRDLN KSINPDEAVA YGAAVQAAIL MGDKSENVQD LLLLDVAPLS
LGLETAGGVM TALIKRNSTI PTKQTQIFTT YSDNQPGVLI QVYEGERAMT RDNNLLGRFE

LSGIPPAPRG VPQIEVTFDI DANGILNVTA TDKSTGKANK ITITNDKGRL SKEEIERMVQ
EAEKYKAEDE VQRERVSANK ALESYAFNMK SAVEDEGLKG KISEADKKKV LDKCQEVISW
LDANTLAEKD EFEHKRKELE QVCNPIISRL YQGAGGPGAG GFGAQGPKGG SGSGPTIEEV
D

[ANTIBODY SPECIFICITY]

The antibody is a mouse monoclonal antibody raised against HSPA1B. It has been selected for its ability to recognize HSPA1B in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.