



# HMGB1 Monoclonal Antibody (GT348)

Catalog Number MA5-17278

Product Data Sheet

| Details                   |  | Species Reactivity   |                   |
|---------------------------|--|--|-------------------|
| <b>Size</b>               | 100µL  | <b>Tested species reactivity</b>   | Human, Mouse, Rat |
| <b>Host / Isotype</b>     | Mouse / IgG2a  | <b>Tested Applications</b>   | <b>Dilution *</b> |
| <b>Class</b>              | Monoclonal   | <b>Immunohistochemistry (Paraffin) (IHC (P))</b>   | 1:100-1:1000      |
| <b>Type</b>               | Antibody   | <b>Western Blot (WB)</b>   | 1:500-1:3000      |
| <b>Clone</b>              | GT348  | * Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls. |                   |
| <b>Immunogen</b>          | Recombinant fragment contains a sequence corresponding to a region within amino acids 2 and 159 of HMGB1 |  |                   |
| <b>Conjugate</b>          | Unconjugated   |  |                   |
| <b>Form</b>               | Liquid   |  |                   |
| <b>Concentration</b>      | 0.88mg/ml  |  |                   |
| <b>Purification</b>       | Protein G  |  |                   |
| <b>Storage Buffer</b>     | PBS, pH 7  |  |                   |
| <b>Contains</b>           | no preservative  |  |                   |
| <b>Storage Conditions</b> | -20° C, Avoid Freeze/Thaw Cycles   |  |                   |

## Product Specific Information

MA5-17278 targets HMGB1 in IHC (P) and WB applications and shows reactivity with Human, Mouse, and Rat samples.

The MA5-17278 immunogen is recombinant fragment contains a sequence corresponding to a region within amino acids 2 and 159 of HMGB1.

## Background/Target Information

HMG1 and HMG2, chromatin non-histone high mobility group proteins 1 and 2, are 27 and 25 kDa members of a family of proteins containing multiple HMG-boxes, conserved domains of 80 amino acids which mediate DNA binding of many proteins. HMG box domains recognize DNA structure, such as prebent, supercoiled or four way junction DNA, and non- specific DNA sequences. HMG1/2 may serve as architectural factors that recognize and mediate DNA structural changes that accompany various events such as DNA repair, transcription and replication.

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