

## Product Datasheet

### HMGB1, Rat, mAb 5H6 Antibody (orb1108790)

<b>Catalog Number</b>	orb1108790
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody to HMGB1
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Armenian hamster IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Rat
<b>Form/Appearance</b>	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.1% bovine serum albumin and 0.02% sodium azide.
<b>Buffer/Preservatives</b>	0.2 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.1% bovine serum albumin and 0.02% sodium azide.
<b>UniProt ID</b>	<b>P63159</b>
<b>Tested applications</b>	FC, IF, WB
<b>Dilution range</b>	For flow cytometry, immunofluorescence and Western blot, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

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**Application notes**

FC: For staining cells were permeabilized with buffer containing 0.5% saponin. The cells were fixed in 0.01% formaldehyde before staining. Hamster IgG isotype control is used as a negative control. IF: NIH-3T3 cells were fixed with 2% PFA (15 min). After fixation, cells were washed with PBS and incubated for 5 min at 4°C with permeabilization buffer. The cells were blocked with 1% BSA/10% goat serum in PBS for 10 min and were incubated with HMGB1 mAb 5H6 (10 µg/ml) overnight at 4°C. The secondary antibody was biotinylated goat anti-hamster IgG at a 1:500 dilution for 1 hour. Finally, streptavidin was used at a 1:500 dilution for 30 min. W: A band is expected at ~30 kDa using reducing conditions. For non-reducing conditions a band is expected at both 27 kDa and 30 kDa.

**Cross Reactivity**

Human - Yes, Mouse - Yes

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

For research use only

**Expiration Date**

12 months from date of receipt.

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