

HMGB1 Monoclonal Antibody (GT348)

Product Details

| | |
|--------------------|--|
| Size | 100 µL |
| Species | Human, Mouse, Rat |
| Expression System | Mouse / IgG2a |
| Class | Monoclonal |
| Type | Antibody |
| Clone | GT348 |
| Conjugate | Unconjugated |
| Immunogen | Recombinant fragment contains a sequence corresponding to a region within amino acids 2 and 159 of HMGB1 |
| Form | Liquid |
| Concentration | 0.88 mg/mL |
| Purification | Protein G |
| Storage buffer | PBS, pH 7 |
| Contains | no preservative |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID | AB_2538744 |

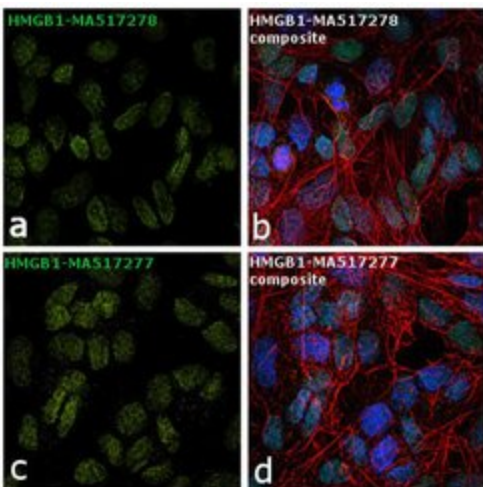
| Applications | Tested Dilution | Publications |
|---|-----------------|--------------|
| Immunocytochemistry (ICC) | 1:100-1:1000 | - |
| Immunofluorescence (IF) | 1:100-1:1000 | - |
| Immunohistochemistry (Frozen) (IHC (F)) | 1:100-1:1000 | - |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:100-1:1000 | - |
| Western Blot (WB) | 1:500-1:3000 | - |

Product Specific Information

Recommended positive controls: 293T, A431, HepG2, Neuro2A, C8D30, NIH-3T3, BCL-1, Raw264.7, C2C12, PC-12, Rat2, mouse brain, rat brain.

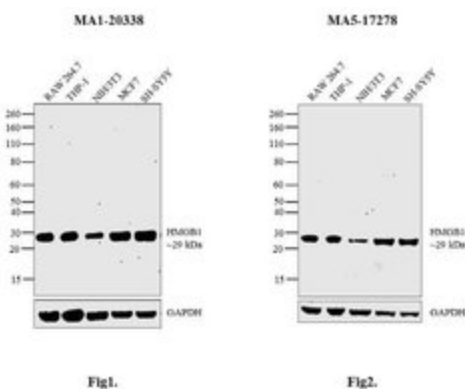
Predicted reactivity: Mouse (100%), Rat (100%), Xenopus laevis (93%), Dog (100%), Pig (100%), Rabbit (100%), Chicken (94%), Rhesus Monkey (100%), Bovine (100%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.



HMGB1 Antibody (MA5-17278)

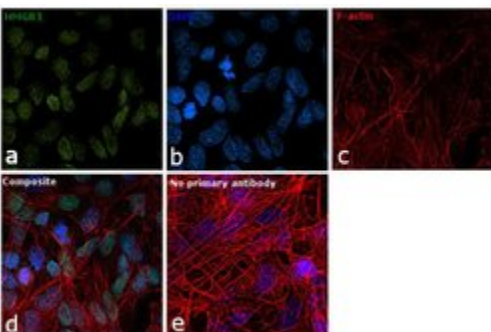
Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Immunofluorescence of HMGB1 using HMGB1 monoclonal antibody (Product # MA5-17278) along with another HMGB1 monoclonal antibody (Product # MA5-17277) shows similar expression of HMGB1. Independent antibody validation info.



HMGB1 Antibody (MA5-17278)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Western blot of HMGB1 using Anti-HMGB1 Monoclonal Antibody (Product # MA5-17278), tested in parallel with HMGB1 Monoclonal Antibody (Product # MA1-20338), shows similar expression of HMGB1 in the cell lines tested. Independent antibody validation info.

Product Images For HMGB1 Monoclonal Antibody (GT348)



HMGB1 Antibody (MA5-17278) in IF

Immunofluorescence analysis of HMGB1 was performed using 90% confluent log phase SH-SY5Y cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with HMGB1 Monoclonal Antibody (GT348) (Product # MA5-17278) at 5 µg/ml in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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