

# Anti-HA tag Antibody [2-G10]

## M1008-1



<b>Product Type:</b>	Recombinant Mouse monoclonal IgG1, primary antibodies
<b>Species reactivity:</b>	Species independent
<b>Applications:</b>	WB, IHC-P, IF-Cell
<b>Clone number:</b>	2-G10

**Description:** Human influenza hemagglutinin (HA) is a surface glycoprotein required for the infectivity of the human virus. The HA tag is derived from the HA molecule corresponding to amino acids 98-106. This antibody is used to detect proteins that are tagged with HA epitope (YPYDVPDYA) and are expressed in prokaryotic and eukaryotic cells.

**Immunogen:** Synthetic peptide corresponding to HA tag conjugated to KLH.

### Recommended Dilutions:

<b>WB</b>	1:10,000-1:25,000
<b>IHC-P</b>	1:1,000-1:10,000
<b>IF-Cell</b>	1:1,000

**Storage Buffer:** PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

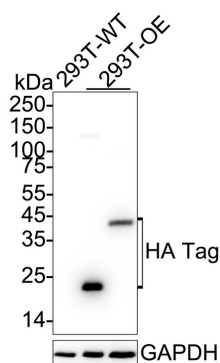
Hangzhou Huaan Biotechnology Co., Ltd.

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**Fig1:** Western blot analysis of HA tag on different lysates with Mouse anti-HA tag antibody (M1008-1) at 1/10,000 dilution.

Lane 1: 293T cell lysate

Lane 2: 293T transfected with HA-tagged Nanos homolog 3 (N-terminal) cell lysate

Lane 3: 293T transfected with HA-tagged LIPT1 (N-terminal) cell lysate

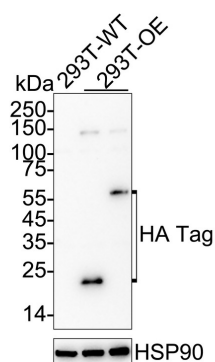
Lysates/proteins at 10 µg/Lane.

Exposure time: 4 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (M1008-1) at 1/10,000 dilution was used in 5% NFDN/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

**Fig2:** Western blot analysis of HA tag on different lysates with Mouse anti-HA tag antibody (M1008-1) at 1/25,000 dilution.



Lane 1: 293T cell lysate (10 µg/Lane)

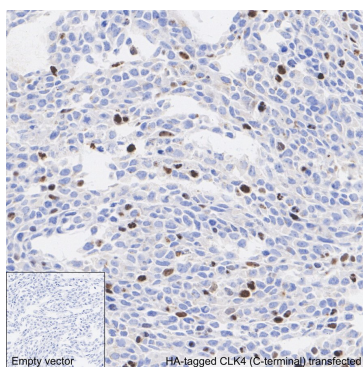
Lane 2: 293T transfected with HA-tagged Nanos homolog 3 (N-terminal) cell lysate (10 µg/Lane)

Lane 3: 293T transfected with HA-tagged CLK4 (C-terminal) cell lysate (20 µg/Lane)

Exposure time: 1minute 50 seconds; ECL: K1801;

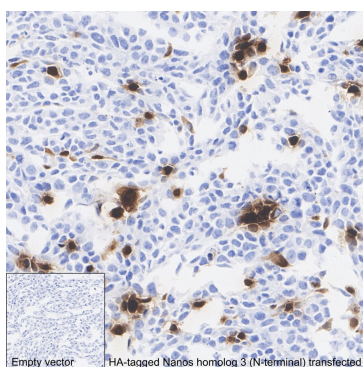
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (M1008-1) at 1/25,000 dilution was used in 5% NFDN/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.



**Fig3:** Immunohistochemical analysis of paraffin-embedded 293T cells transfected with HA-tagged CLK4 (C-terminal) with Mouse anti-HA tag antibody (M1008-1) at 1/1,000 dilution.

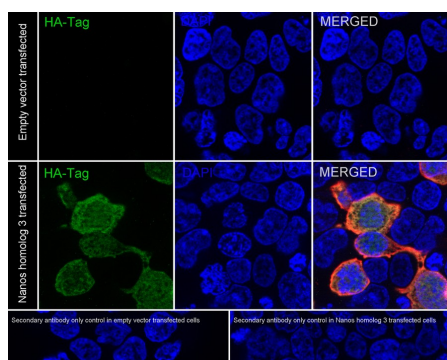
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (M1008-1) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



**Fig4:** Immunohistochemical analysis of paraffin-embedded 293T cells transfected with HA-tagged Nanos homolog 3 (N-terminal) with Mouse anti-HA tag antibody (M1008-1) at 1/10,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (M1008-1) at 1/10,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

**Fig5:** Immunocytochemistry analysis of 293T cells labeling HA tag with Mouse anti-HA tag antibody (M1008-1) at 1/1,000 dilution.



293T cells, transfected with empty control (upper, negative) / HA-tagged Nanos homolog 3 (N-terminal) (lower, positive) expression vector, respectively, were fixed in 4% paraformaldehyde for 15 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-HA tag antibody (M1008-1) at 1/1,000 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488, HA1125) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (ET1602-4, red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Rabbit IgG H&L (iFluor™ 594, HA1122) were used as the secondary antibody at 1/1,000 dilution.