

**Influenza A H7N9
(A/Pigeon/Shanghai/S1069/2013)
Hemagglutinin (HA1 Subunit) Insect Cell
Lysate (WB positive control)**

Catalog Number: 10109-V08B1



Sino Biological Inc.
Biological Solution Specialist

Hemagglutinin / HA Transfected / Overexpression Cell Lysate Product Information

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| Expressed Host: | Baculovirus-Insect cells |
| Products Description: | Baculovirus-Insect Cell lysate that Influenza A H7N9 (A/Pigeon/Shanghai/S1069/2013) HA1 / Hemagglutinin transfected / overexpressed for Western blot (WB) positive control. The whole cell lysate is provided in 1X Sample Buffer (1X modified RIPA buffer+1X SDS loading buffer). |
| Sequence information: | A DNA sequence encoding the Influenza A virus (A/Pigeon/Shanghai/S1069/2013(A/H7N9)) hemagglutinin (Met1-Gly338), termed as HA1, was expressed with a C-terminal polyhistidine tag. |
| Predicted N Terminal: | Asp 19 |
| Molecule Mass: | The recombinant HA1 subunit of Influenza A virus (A/Pigeon/Shanghai/S1069/2013(A/H7N9)) hemagglutinin comprises 331 amino acids and has a predicted molecular mass of 36.2 kDa. The apparent molecular mass of the protein is approximately 41 kDa in SDS-PAGE under reducing conditions. |
| Species: | H7N9 |

Hemagglutinin / HA Transfected / Overexpression Cell Lysate Usage Guide

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| Preparation Method: | Cell lysate was prepared by homogenization in ice-cold modified RIPA Lysis Buffer with cocktail of protease inhibitors (Sigma). Cell debris was removed by centrifugation. Protein concentration was determined by Bradford assay (Bio-Rad protein assay, Microplate Standard assay). The cell lysate was boiled for 5 min in 1 x SDS loading buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized. |
| Lysis Buffer: | Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF. |
| Quality Control Testing: | 12.5% SDS-PAGE Stained with Coomassie Blue after protein purification. |
| Stability: | Samples are stable for up to twelve months from date of receipt. |
| Recommend Usage: | <ol style="list-style-type: none">1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200µL pure water and boil for 2-5 min.3. Store the lyophilized cell lysate at 4°C. After re-dissolution, recommend to aliquot it into smaller quantities and store at -80°C. |
| Storage Buffer: | 1 X Sample Buffer (1 X modified RIPA buffer+1 X SDS loading buffer). |
| Storage Instruction: | Store at 4°C. After re-dissolution, aliquot and store at -80°C. |
| Application notes: | Western blot (WB): Use at an assay dependent dilution. Other Applications: Not tested. Optimal dilutions/concentrations should be determined by the end user. |

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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