Monoclonal Anti-Mumps virus HN Antibody, Human IgG1 (7D12) (MALS verified)

Catalog # HNN-M701

Source

Monoclonal Anti-Mumps virus HN Antibody, Human IgG1 (7D12) is a chimeric monoclonal antibody recombinantly expressed from HEK293, which combines the variable region of a mouse monoclonal antibody with Human constant domain.

Clone

7D12

Isotype

Human IgG1 | Human Kappa

Conjugate

Unconjugated

Antibody Type

Recombinant Monoclonal

Reactivity

Virus

Immunogen

Recombinant Mumps virus (strain Miyahara vaccine) (MuV) HN Protein, His Tag (HNN-M52H3) is expressed from human 293 cells.

Specificity

Specifically recognizes Mumps virus (strain Miyahara vaccine) (MuV) HN.

Application

Application	Recommended Usage
ELISA	0.1-8 ng/mL

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Purification

Protein A purified/ Protein G purified

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

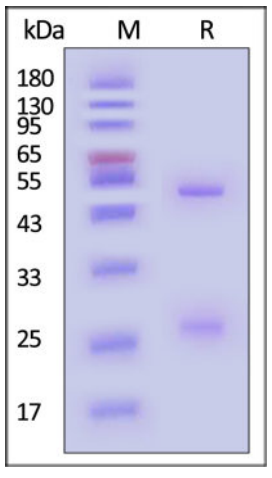
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

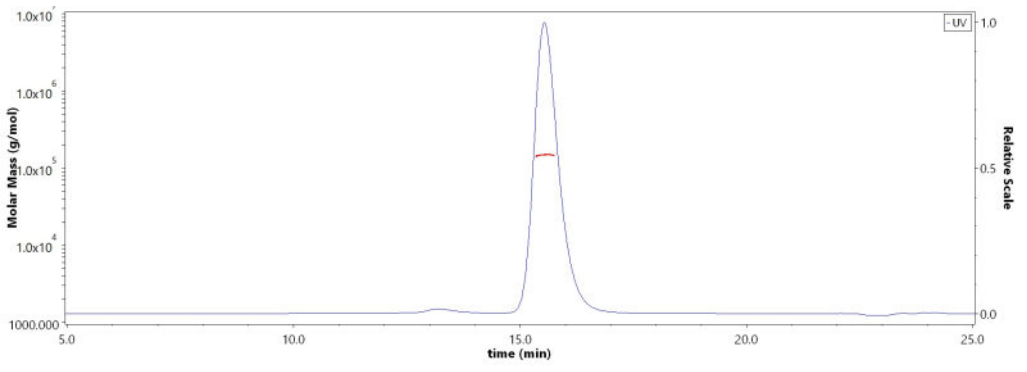
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



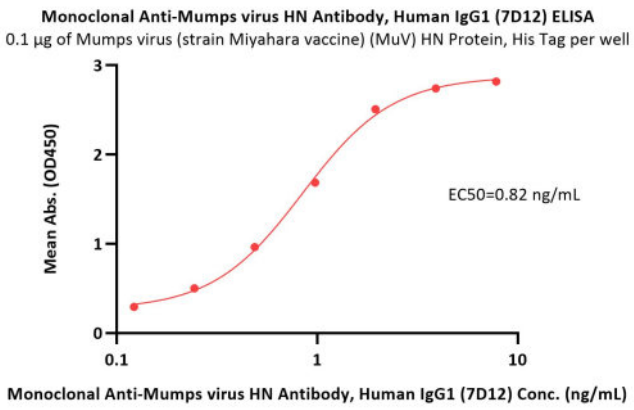
SEC-MALS



Monoclonal Anti-Mumps virus HN Antibody, Human IgG1 (7D12) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With Star Ribbon Pre-stained Protein Marker).

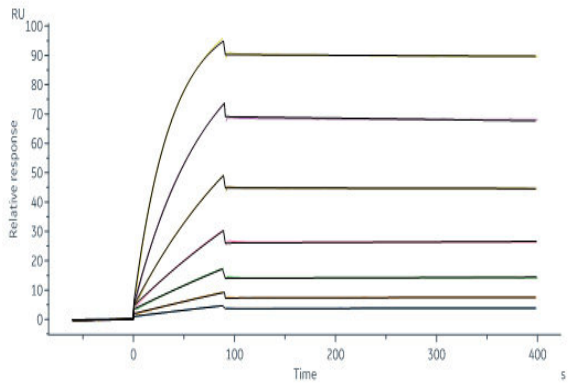
The purity of Monoclonal Anti-Mumps virus HN Antibody, Human IgG1 (7D12) (Cat. No. HNN-M701) is more than 90% and the molecular weight of this protein is around 135-155 kDa verified by SEC-MALS. Report

Bioactivity-ELISA



Immobilized Mumps virus (strain Miyahara vaccine) (MuV) HN Protein, His Tag (Cat. No. HNN-M52H3) at 1 μg/mL (100 μL/well) can bind Monoclonal Anti-Mumps virus HN Antibody, Human IgG1 (7D12) (Cat. No. HNN-M701) with a linear range of 0.1-1 ng/mL (QC tested).

Bioactivity-SPR



Monoclonal Anti-Mumps virus HN Antibody, Human IgG1 (7D12) (Cat. No. HNN-M701) captured on Protein A Chip can bind Mumps virus (strain Miyahara vaccine) (MuV) HN Protein, His Tag (Cat. No. HNN-M52H3) with an affinity constant of 0.474 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).

Background

Mumps immunity is typically assessed by measuring neutralizing-antibody responses directed against mumps HN and F proteins.

Clinical and Translational Updates