



Source

Monoclonal Anti-Mumps virus HN Antibody, Human IgG1 (7D12) is a chimeric monoclonal antibody recombinantly expressed from human 293 cells (HEK293), which combines the variable region of a mouse monoclonal antibody with human IgG1 constant domain. The mouse monoclonal antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with Mumps virus HN.

Specificity

This product is a specific antibody specifically reacts with Mumps virus HN.

Application

ELISA

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

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

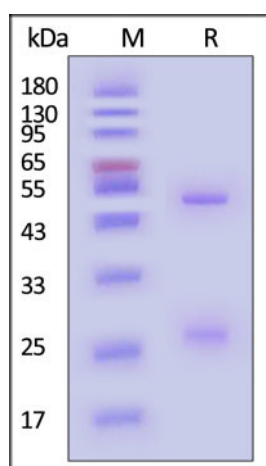
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

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

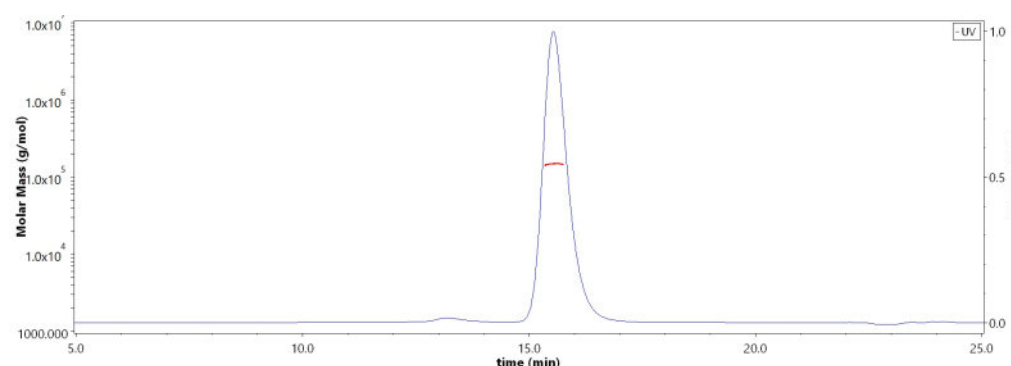
SDS-PAGE



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](#)).

Bioactivity-Elisa

SEC-MALS



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.

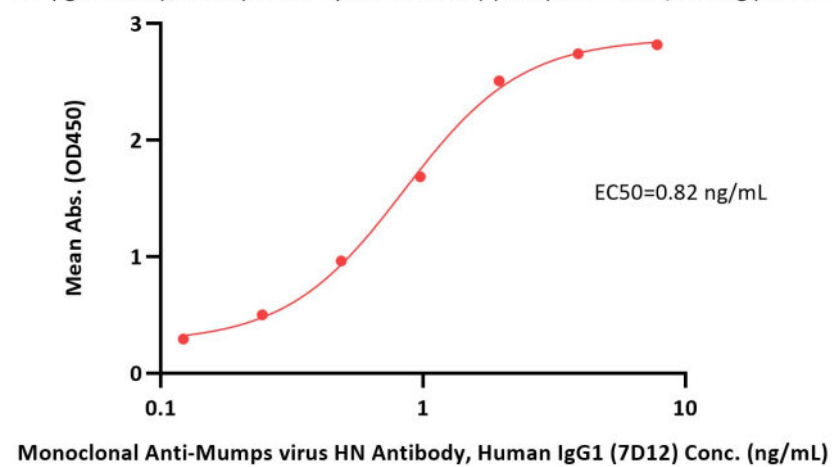
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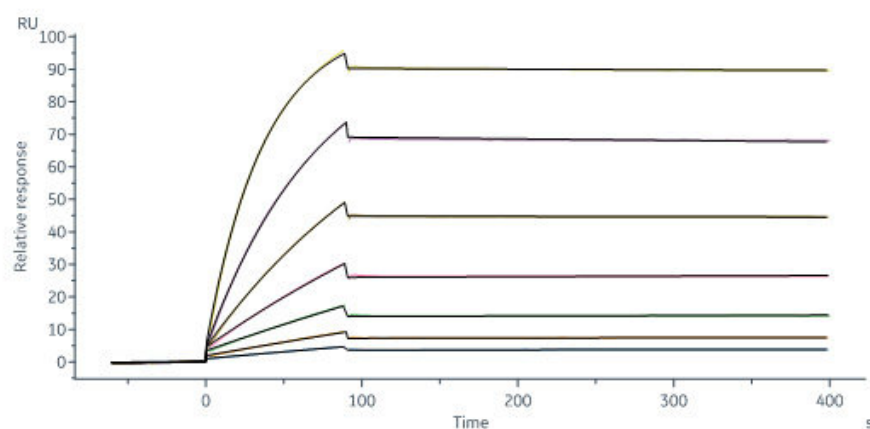


Monoclonal Anti-Mumps virus HN Antibody, Human IgG1 (7D12) ELISA
0.1 µg of Mumps virus (strain Miyahara vaccine) (MuV) HN Protein, His Tag per well



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

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

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