

**A27L Protein from Vaccinia Virus (WR) with C-terminal Histidine Tag, Recombinant from Baculovirus**

**Catalog No. NR-22133**

**Product Description:**

A full-length recombinant form of the A27L membrane glycoprotein of the Western Reserve (WR) strain of vaccinia virus containing a C-terminal histidine-tag was produced in Sf9 insect cells using a baculovirus expression system and purified using nickel affinity chromatography. The full length A27L protein is 110 residues.

**Lot: 70055907**

**Manufacturing Date: 20OCT2022**

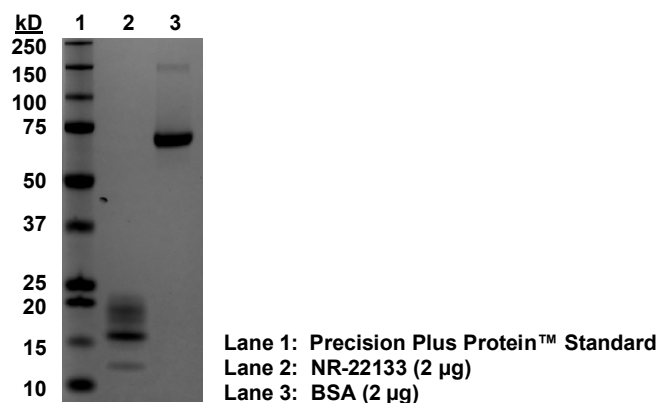
TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Report results	Clear and slightly yellow
<b>Purity by SDS-PAGE Densitometry Scan</b>	Protein band of interest represents > 90% of total staining intensity	Protein band(s) of interest represents > 90% of total staining intensity (Figure 1)
<b>Concentration by Bradford Assay</b> Bovine Serum Albumin (BSA; standard)	Report results	1.30 mg/mL
<b>Vial Contents</b> Quantity per vial Volume per vial	Report results Report results	163 µg 125 µL
<b>Identification by Western Blot</b> Monoclonal anti-A27L <sup>1</sup> Monoclonal anti-L1R <sup>2</sup> Monoclonal anti-histidine tag <sup>3</sup>	Reactive Report results Reactive	Reactive (Figure 2A) Not reactive (Figure 2B) Reactive (Figure 2C)
<b>Endotoxin Content</b> Limulus Amoebocyte Lysate Assay	Report results	30.42 EU/mg
<b>Filtration</b>	Report results	0.45 µm sterile-filtered

<sup>1</sup>Using a 1:1000 dilution of mouse monoclonal anti-A27L (BEI Resources NR-569) as primary antibody and a 1:1000 dilution of HRP-conjugated goat anti-mouse IgG (R&D Systems HAF007) as secondary antibody

<sup>2</sup>Using a 1:1000 dilution of mouse monoclonal anti-L1R (BEI Resources NR-566) as primary antibody and a 1:1000 dilution of HRP-conjugated goat anti-mouse IgG (R&D Systems HAF007) as secondary antibody

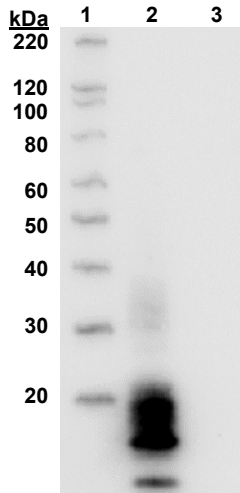
<sup>3</sup>Using a 1:1000 dilution of mouse monoclonal anti-histidine tag (R&D Systems MAB050-100) as primary antibody and a 1:1000 dilution of HRP-conjugated goat anti-mouse IgG (R&D Systems HAF007) as secondary antibody

**Figure 1: SDS-PAGE Analysis**



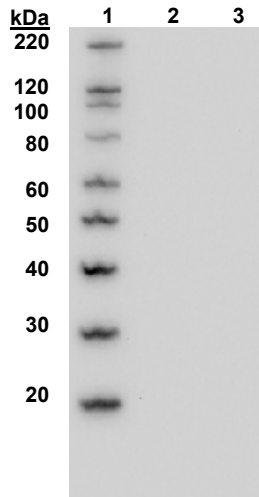
**Figure 2: Western Blot Analysis**

**A: Monoclonal anti-A27L**



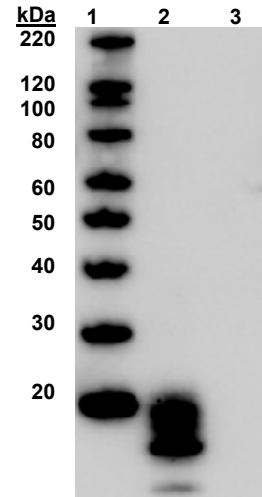
Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-22133 (0.5 µg)  
 Lane 3: BSA (0.5 µg)

**B: Monoclonal anti-L1R**



Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-22133 (0.5 µg)  
 Lane 3: BSA (0.5 µg)

**C: Monoclonal Anti-Histidine Tag**



Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-22133 (0.5 µg)  
 Lane 3: BSA (0.5 µg)

/Sonia Bjorum Brower/  
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11 MAY 2023

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