

SARS-CoV Spike (S) Protein Δ TM, Recombinant from baculovirus

Catalog No. NR-722

This reagent is the tangible property of the U.S. Government.

Product Description:

NR-722 is a truncated, glycosylated recombinant form of the SARS-CoV spike (S) external envelope glycoprotein.¹ A 60-amino acid deletion of the transmembrane domain (Δ TM) was made to the C-terminal end of the protein.

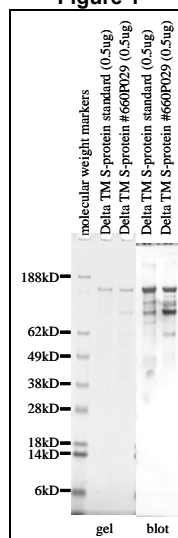
Lot: 660P029

Manufacturing Date: APR2005

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue densitometer scan)	Report results	~ 150 kDa > 95% (see Figure 1)
Western Blot Analysis with Polyclonal Antisera to S Protein	Reactive	Reactive
Demonstration of Protein Glycosylation	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzymes N-glycosidase F and endoglycosidase H	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzymes N-glycosidase F and endoglycosidase H
Concentration by Bicinchoninic Acid Protein Assay	Report results	100 μ g/mL
Functional Activity ELISA using soluble NR-722 and bound recombinant human angiotensin-converting enzyme-2 (ectodomain, amino acid residues 1 to 740)	Linear, specific signal with 0.1 to 1.0 μ g/mL NR-722	Linear, specific signal with 0.1 to 1.0 μ g/mL NR-722
Sterility (USP <71>)	No bacterial or fungal contamination found	No bacterial or fungal contamination found
Endotoxin Content (Limulus Amoebocyte Lysate assay)	Report results	< 5 EU/mL

¹U.S. Patent Numbers 5,762,939 and 6,103,526.

Figure 1



Date: 04 April 2008

Signature: Signature on file

Title: Technical Manager, BEI Authentication or designee

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