Recombinant MERS-CoV Spike/RBD protein(Glu367-Tyr606), His-tagged

Cat. No. Spike-1229V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MERS-CoV receptor binding domain (RBD) of spike protein fragment (AFS88936.1) (Glu367-Tyr606) was expressed in Insect Cells with a polyhistidine tag at the C-terminus.
Species	MERS-CoV
Source	Insect Cells
ProteinLength	Glu367-Tyr606
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant receptor binding domain (RBD) of spike protein fragment MERS-CoV consists of 251 amino acids and predicts a molecular mass of 27.7 kDa. As a result of glycosylation, it migrates as an approximately 33.7 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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