ADI-65534 antibody

目录号 Catalog Number	177238
产品描述 Product Description	ADI 65534 an neutralizing antibody against ANDV (New World Hantavirus) and PUUV (Old World Hantavirus)
宿主 Host	Human
克隆性 Clonality	Monoclonal
抗体亚型 Ig Type	Human IgG

产品信息

制备方法 Preparation	Recombinant expression and purified from CHO cells.
剂型 Formulation	Lyophilized, PBS(pH7.2)
储存 Storage	Store at -20℃. Avoid freeze / thaw cycles.

描述 & 验证

研究背景 Background	ADI-65534 is an engineered antibody variant derived from the pan-hantavirus protective antibody ADI-42898. It was designed to enhance the potency and cross-clade neutralization of the original antibody, particularly against the highly lethal Andes virus (ANDV). ADI-65534 was developed through affinity maturation of ADI-42898, resulting in improved binding affinity and reduced dissociation at acidic pH, which is crucial for its activity against ANDV. It recognizes a quaternary epitope spanning the Gn and Gc subunits of the hantavirus glycoprotein complex, locking the Gn/Gc heterodimer in its prefusion conformation and preventing membrane fusion, a critical step in viral entry. ADI-65534 maintains the broad-spectrum activity of its parent antibody, ADI-42898, and is effective against both Old World and New World hantaviruses.
验证图片 Validation Images	SDS-PAGE Lane 1: Reduced sample, Lane 2: Non-reduced sample
	SEC-HPLC HPLC Purity: 98.75%