

Anti-CHIKV mIgG2a Antibody(CHK-152)

Product information

GM-88281AB-10	10 µg
GM-88281AB-100	100 µg
GM-88281AB-1000	1 mg

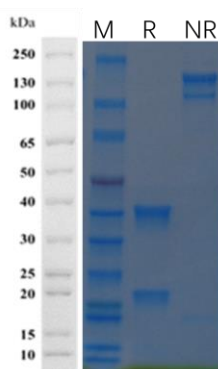
Antibody Information

Species Reactivity	/
Clone	CHK-152
Source/Isotype	Mouse IgG2a,Kappa
Application	/
Target	Detects CHIKV p130, Structural polyprotein
Gene	CHIKV
Background	CHIKV (Chikungunya virus) is a mosquito-borne RNA virus belonging to the Togaviridae family. The genome is about 11.8 kb and encodes structural proteins (C, E3, E2, 12K/6K, E1) and non-structural proteins (nsP1 – nsP4), involved in replication, transcription, entry, and assembly. Variations in the genome, especially in the surface glycoproteins E1 and E2, drive differences in transmission adaptability, antigenicity, and neutralization, which are critical for surveillance and control. Neutralizing antibodies (nAbs) act by binding epitopes on E1/E2 to block viral entry into host cells or disrupt membrane fusion, and can enhance clearance via Fc-mediated effector functions.
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

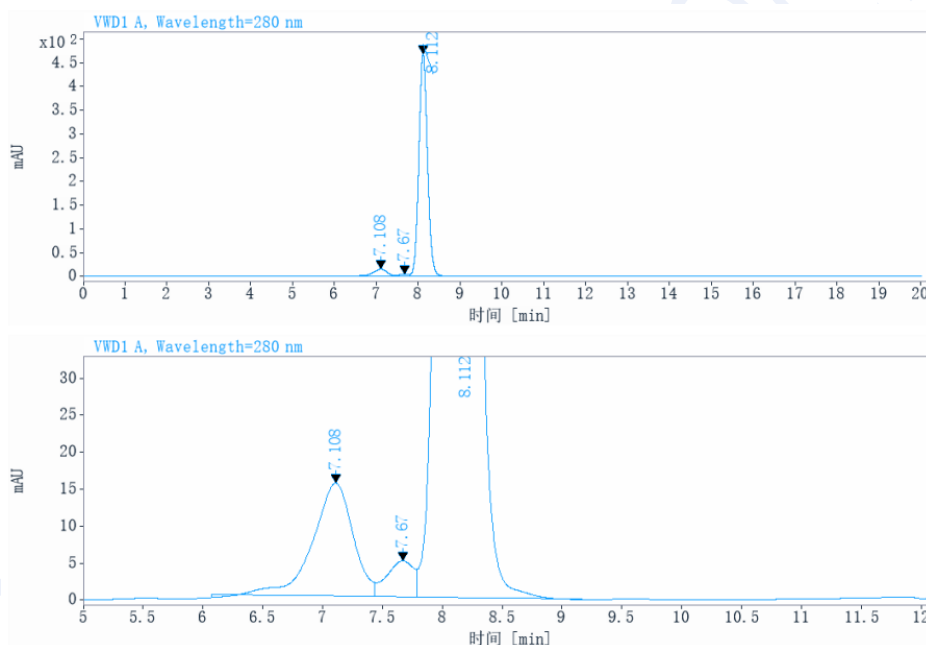
SDS-PAGE

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The purity of the protein is greater than 95%.

SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC