

Bioassayplus Inc.

4510 Rhodes Dr., Windsor, Canada N8W 5K5

Certificate of Analysis

Important Note: centrifuge before opening to ensure complete recovery of vial contents.

Product name: Chikungunya E2

Catalog #: chik-E2

Description: Chikungunya is an infection caused by the chikungunya virus. The virus is passed to humans by two species of mosquito of the genus *Aedes*: *A. albopictus* and *A. aegypti*. Animal reservoirs of the virus include monkeys, birds, cattle, and rodents.

Protein structure: Chikungunya E2 protein was expressed from *E. coli*, migrating at 38 kDa on 10% SDS-PAGE. Major application of this protein is used to detect Chikungunya specific IgG or IgM.

Source: *E. coli*

Format: Purified, Liquid

Molecular weight: 38kDa (Lot:10-2022)

Purity: >95% pure (SDS-PAGE, Coomassie blue stain).

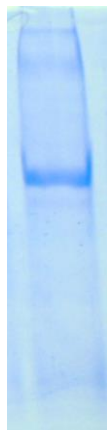
Concentration: 1.0mg/ml (lot 10/2022)

Buffer: PBS with 25mM arginine

Storage: Store in 4°C for short time only, aliquot to avoid repeated freezing and thawing, store at -20°C.

Applications: Immunoassay

Note: IB extracted, oxide and reduce glutathione, DE3/BL21 (ELISA test on May 27, 2023)



Chikv IgG test	Chikv samples ordered			Chikv samples from Plasma Service for evaluation				
Coated Pr. (5ug/well)	40714	33914	39014	# 1	# 2	# 3	# 4	# 5
1:100 diluted Chikv serum	0.815	0.701	0.679	0.548	0.632	0.588	0.624	0.342
1:100 diluted normal serum	0.35	0.227	0.225	0.227	0.237	0.2	0.237	0.223
Signal/Background	2.33	3.09	3.02	2.41	2.67	2.94	2.63	1.53

Chikungunya
1.0mg/ml