

Chikungunya virus human monoclonal neutralizing antibody

Product reference: DDX9103

Description:

Chikungunya virus (CHIKV) is a member of the genus *Alphavirus*, in the family *Togaviridae*. Chikungunya fever is diagnosed based on symptoms, physical findings (e.g., joint swelling), laboratory testing, and the possibility of exposure to infected mosquitoes. PBMC isolated from a Chikungunya infected patient was cultured in the CD40 system supplemented with an EBV viral suspension. Immortalized antibody-secreting B clones were obtained and screened for their neutralizing activity against several Chikungunya virus strains. Seroneutralization of other viruses such as Ross River virus and ONyong Nyong virus was found.

Clone: E26G8
Species: human
Neutralization: CHIKV (strain OPY4), Ross river virus
Isotype: IgG1, κ
Formulation/size: **Purified:** 100 µg in 200µl / 50 µg in 100 µl / 1 mg in 500 µl in Tris-NaCl pH 8
Available formats:

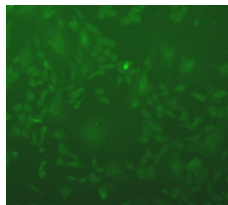
Reference N°		Format	Application tested
50 µg	100 µg		
DDX9103P-50	DDX9103P-100	purified	IF, neutralization
DDX9103HD01		1 mg	IF, neutralization

Other clones available on request

Applications tested

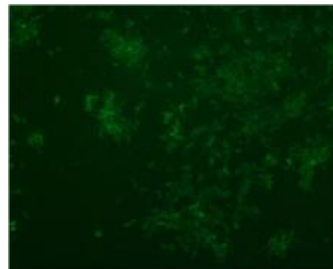
Immunofluorescence, seroneutralization

Immunofluorescent staining of VERO cells with E26G8

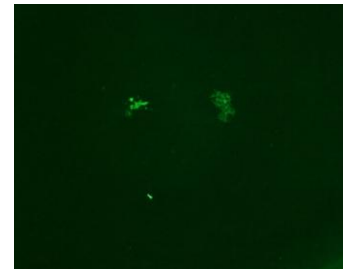


Control

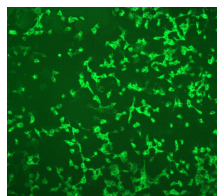
Seroneutralization activity of E26G8 on CHIKV-infected VERO cells



Isotype control



E26G8 clone



CHIKV-infected

clones	Seroneutralization of virus strains				
	CHIK virus strains			Other viruses	
	OPY1	OPY4	OPY6	ROSS	ONNV
E04C1	-	+	-	-	-
E10B7	-	-	-	-	-
E18C3	-	-	-	-	-
E26D9	++	++	++	++	++
E26C4	+	+	+	+	+
E26G8	-	+	+	+	-
E26D4	-	-	-	-	-
E18E6	-	-	+	-	-

Usage recommendation:

Aliquot storage conditions

*Optimal dilution should be determined for each application by the user

-20°C. KEEP CONTENTS STERILE: no preservative.

Purified antibodies: avoid repeated freeze/thaw cycles.

Coupled antibodies: glycerol protects from freezing

Not for use in Humans. For research purpose only