

# Chikungunya virus human monoclonal neutralizing antibody

**Product reference: DDX9102**

**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:** E26C4  
**Species:** human  
**Neutralization:** CHIKV (strains OPY1, OPY4, OPY6), Ross river virus, ONyongNyong virus  
**Isotype:** IgG1, κ  
**Formulation/size:** Purified: 100 µg in 200µl / 50 µg in 100 µl / 1mg in 500µl in Tris-NaCl pH 8  
**Available formats:**

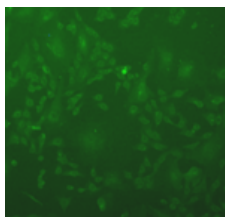
Reference N°		Format	Application tested
50 µg	100 µg		
DDX9102P-50	DDX9102P-100	purified	IF, neutralization
DDX9102HD01		1 mg	IF, neutralization

*Other clones available on request*

**Applications tested**

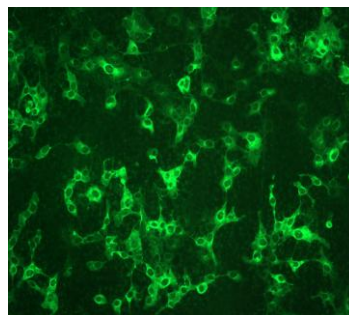
Immunofluorescence, seroneutralization

*Immunofluorescent staining of VERO cells with E26C4*

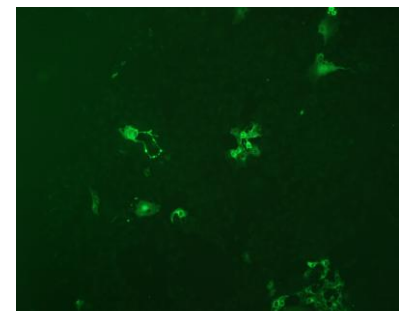


**Control**

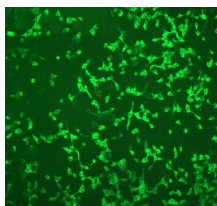
*Seroneutralization activity of E26C4 on CHIKV-infected VERO cells*



**Isotype control**



**E26C4 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:**

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

**Aliquot storage conditions**

**-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**