

## 12-8114: Recombinant Anti-Monkeypox A33 Antibody (Clone: MPXV-56)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MPXV-56
<b>Application :</b>	ELISA
<b>Alternative Name :</b>	MPXV
<b>Isotype :</b>	Human IgG1
<b>Immunogen Information :</b>	MPXV-56 was generated from peripheral blood mononuclear cells obtained from donors who had either recovered from naturally-occurring MPXV infection or been immunized against vaccinia.

### Description

**Expression Host :** HEK-293

**Endotoxin Level :**  $\leq 1.0$  EU/mg as determined by the LAL method

**Specificity :** Clone MPXV-56 is reactive against A33, a surface antigen on the EV form of the virus, and is of the IgG2 isotype.

Complementary screening approaches were used to identify orthopoxvirus-specific mAbs to MPXV, cowpox virus (CPXV), variola virus (VARV), and vaccinia virus (VACV). MPXV-56 is reactive against VACV antigen and lysate, CPXV lysate, MPXV lysate, and VARV antigen and lysate. MPXV-56 binds to VACV and VARV purified antigen and weakly binds virus-infected cell lysates of VACV, CPXV, and MPXV. MPXV-56 neutralizes VACV EV plus complement (+C') but not MV, MV+C', or EV.

MPXV-56 also neutralizes CPXV EV+C' but not EV and weakly neutralizes MPXV EV+C' but not MV, MV+C', or EV.

### Product Info

<b>Amount :</b>	100 $\mu$ g (1mg/mL)
<b>Purification :</b>	$\geq 95\%$ monomer by analytical SEC
<b>Content :</b>	1.0 mg/ml. This recombinant monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.
<b>Storage condition :</b>	Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one year. For longer term storage, aseptically aliquot in working volumes without diluting and store at $\geq -70^{\circ}\text{C}$ . Avoid Repeated Freeze Thaw Cycles.