

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

Clonality :	Monoclonal
Clone Name :	MPXV-56
Application :	ELISA
Alternative Name :	MPXV
Isotype :	Human IgG1
Immunogen Information :	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 : ≤ 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

Amount :	100 μ g (1mg/mL)
Purification :	$\geq 95\%$ monomer by analytical SEC
Content :	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.
Storage condition :	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 $\leq -70^{\circ}\text{C}$. Avoid Repeated Freeze Thaw Cycles.