

## 12-8115: Recombinant Anti-Monkeypox L1 Antibody (Clone: MPXV-26)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MPXV-26
<b>Application :</b>	ELISA
<b>Alternative Name :</b>	MPXV
<b>Isotype :</b>	Human IgG1 $\alpha$
<b>Immunogen Information :</b>	MPXV-26 was generated from peripheral blood mononuclear cells obtained from donors who had recovered from naturally-occurring MPXV infection

### Description

**Reactivity Species:** Vaccinia, Variola, Cowpox, Monkeypox, Virus

**Expression Host:** HEK-293

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

**Specificity:** MPXV-26 is reactive against L1, an MV surface protein. Complementary screening approaches were used to identify orthopoxvirus-specific mAbs to MPXV, cowpox virus (CPXV), variola virus (VARV), and vaccinia virus (VACV). MPXV-26 is reactive to VACV antigen, CPXV lysate, VARV antigen and lysate, but not MPXV lysate. MPXV-26 binds to VACV and VARV purified antigens and CPXV virus-infected cell lysate but not VACV and MPXV cell lysates. MPXV-26 neutralizes VACV MV and MV plus complement (MV+C'), CPXV MV and MV+C', and weakly neutralizes MPXV MV and MV+C'. With cocktail of anti-monkeypox mAbs, neutralization and cross-neutralization are more efficient than in individual assays<sup>5</sup>. These mAb mixes also provide protection against VACV in mice. While not completely protective on its own, MPXV-26 induces delayed morbidity and mortality in mice, and mixes that exclude MPXV-26 are less effective prophylactics.

### 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. Formulation: 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 $\leq -70^{\circ}\text{C}$ . Avoid Repeated Freeze Thaw Cycles.